

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112223\
 Data File : VX038999.D
 Acq On : 22 Nov 2023 13:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/24/2023
 Supervised By : Mahesh Dadoda 11/24/2023

Quant Time: Nov 23 01:31:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	125473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	221705	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95924	47.445	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.880%		
35) Dibromofluoromethane	5.385	113	75943	47.429	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.860%		
50) Toluene-d8	8.647	98	279805	45.673	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.340%#		
62) 4-Bromofluorobenzene	11.079	95	113142	46.135	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	79123	54.044	ug/l	99
3) Chloromethane	1.295	50	90599	47.412	ug/l	99
4) Vinyl Chloride	1.374	62	91088	49.486	ug/l	100
5) Bromomethane	1.599	94	56326	74.011	ug/l	100
6) Chloroethane	1.679	64	53961	51.370	ug/l	99
7) Trichlorofluoromethane	1.886	101	127475	54.575	ug/l	99
8) Diethyl Ether	2.130	74	48417	47.592	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	73393	47.381	ug/l	96
10) Methyl Iodide	2.453	142	82093	43.543	ug/l	92
11) Tert butyl alcohol	2.953	59	132975	236.473	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	73065	46.721	ug/l	91
13) Acrolein	2.233	56	60472	203.263	ug/l	100
14) Allyl chloride	2.660	41	145384	46.432	ug/l	96
15) Acrylonitrile	3.063	53	271750	228.708	ug/l	99
16) Acetone	2.374	43	280675	260.781	ug/l	93
17) Carbon Disulfide	2.508	76	216207	44.632	ug/l	99
18) Methyl Acetate	2.697	43	216118	42.275	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	268303	48.778	ug/l	98
20) Methylene Chloride	2.788	84	86249	44.454	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	83312	48.281	ug/l	92
22) Diisopropyl ether	3.757	45	276776	48.185	ug/l	90
23) Vinyl Acetate	3.721	43	1077149	260.377	ug/l	99
24) 1,1-Dichloroethane	3.605	63	152429	47.454	ug/l	99
25) 2-Butanone	4.550	43	413154	236.718	ug/l	96
26) 2,2-Dichloropropane	4.477	77	134188	48.160	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	95956	47.707	ug/l	95
28) Bromochloromethane	4.891	49	70334	45.606	ug/l	98
29) Tetrahydrofuran	4.995	42	265290	239.389	ug/l	98
30) Chloroform	5.093	83	154179	49.156	ug/l	98
31) Cyclohexane	5.465	56	141778	49.115	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	136391	50.204	ug/l	99
36) 1,1-Dichloropropene	5.690	75	117592	51.241	ug/l	98
37) Ethyl Acetate	4.709	43	149802	50.103	ug/l	98
38) Carbon Tetrachloride	5.678	117	116446	54.901	ug/l	97
39) Methylcyclohexane	7.379	83	152795	51.043	ug/l	96
40) Benzene	6.038	78	343367	50.587	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	77210	49.790	ug/l	94
42) 1,2-Dichloroethane	6.080	62	125671	55.882	ug/l	98
43) Isopropyl Acetate	6.336	43	240829	50.401	ug/l	99
44) Trichloroethene	7.123	130	87605	53.024	ug/l	94
45) 1,2-Dichloropropane	7.428	63	90912	49.771	ug/l	99
46) Dibromomethane	7.580	93	63981	52.525	ug/l	98
47) Bromodichloromethane	7.818	83	123627	51.135	ug/l	99
48) Methyl methacrylate	7.690	41	137536	59.324	ug/l	94
49) 1,4-Dioxane	7.653	88	45014	1003.609	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	781364	255.883	ug/l	100
52) Toluene	8.714	92	218835	51.954	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	143446	49.927	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	150544	50.727	ug/l	91
55) 1,1,2-Trichloroethane	9.147	97	88479	50.343	ug/l	92
56) Ethyl methacrylate	9.116	69	113701	38.236	ug/l	96
57) 1,3-Dichloropropane	9.305	76	150484	51.773	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	315655	227.869	ug/l	96
59) 2-Hexanone	9.427	43	631148	257.870	ug/l	98
60) Dibromochloromethane	9.519	129	94385	52.817	ug/l	99
61) 1,2-Dibromoethane	9.610	107	95926	52.014	ug/l	99
64) Tetrachloroethene	9.275	164	70083	53.807	ug/l	98
65) Chlorobenzene	10.080	112	229149	50.767	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	83625	51.503	ug/l	99
67) Ethyl Benzene	10.189	91	432625	52.167	ug/l	99
68) m/p-Xylenes	10.299	106	322031	102.654	ug/l	99
69) o-Xylene	10.640	106	155502	50.096	ug/l	100
70) Styrene	10.653	104	231294	44.121	ug/l	98
71) Bromoform	10.799	173	68087	50.302	ug/l #	100
73) Isopropylbenzene	10.964	105	415582	49.746	ug/l	100
74) N-amyl acetate	10.842	43	210310	47.623	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	151558	46.474	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	130820m	48.902	ug/l	
77) Bromobenzene	11.195	156	93712	49.922	ug/l	99
78) n-propylbenzene	11.305	91	507672	49.370	ug/l	99
79) 2-Chlorotoluene	11.366	91	292239	47.888	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	358785	51.078	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	51229	42.476	ug/l	86
82) 4-Chlorotoluene	11.451	91	349423	49.658	ug/l	99
83) tert-Butylbenzene	11.713	119	342745	49.544	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	360831	50.752	ug/l	99
85) sec-Butylbenzene	11.890	105	434579	48.025	ug/l	99
86) p-Isopropyltoluene	12.006	119	369139	50.817	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	180291	49.047	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	183494	48.773	ug/l	100
89) n-Butylbenzene	12.329	91	366460	50.002	ug/l	97
90) Hexachloroethane	12.536	117	69404	47.845	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	172789	49.560	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39053	48.878	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	119433	51.120	ug/l	96
94) Hexachlorobutadiene	13.725	225	43160	52.166	ug/l	97
95) Naphthalene	13.774	128	415753	47.780	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	113155	51.092	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Reviewed By :John Carlone 11/24/2023
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Abundance

TIC: VX038999.D\data.ms

Time-->

1700000

1600000

1500000

1400000

1300000

1200000

1100000

1000000

900000

800000

700000

600000

500000

400000

300000

200000

100000

0

0.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

Dichlorodifluoromethane, I
Chloroethanol, C
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, I
Methyl iodide, C
Methylene Chloride, T
Tert butyl alcohol, I
Methyl acetate, T
Vinyl Acetate, T
1,1-Dichloroethane, P
Isopropyl ether, T
Ethyl Acetate, T
2-Butanone, I
Bromochloromethane, I
Chloroform, C
Pentachlorobenzene, S
Chlorobenzene, I
1,2-Dichloroethane, S
1,2-Dichloroethane, TM
Isopropyl Acetate, T
1,4-Difluorobenzene, I
Trichloroethene, TM
1,2-Dichlorobenzene, T
1,4-Dioxane, I
Bromodichloromethane, I
cis-1,3-Dichloropropene, T
Toluene, CM
1,1,3,3-Tetrachloropropane, I
1,1,3,3-Tetrachloropropane, I
Ethyl methyl ether, T
1,3-Dichloropropene, T
1,3-Dichloropropene, T
1,3-Dichloropropene, T
1,2-Dibromochloromethane, I
Chloroform, S
1,1,2-Trichloroethane, I
Ethyl Benzene, C
m/p-Xylenes, T
Styrene, T
N-ethyl acetate, T
Isopropylbenzene, T
trans-1,4-Dichlorobenzene, S
1,2,3-Trichlorobenzene, T
2-Chlorotoluene, T
n-propylbenzene, T
1,2,4-Trichlorobenzene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
Isopropyltoluene, T
n-Butylbenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
Hexachlorobutadiene, T
1,2,4-Trichlorobenzene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T