

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111423\
 Data File : VX038795.D
 Acq On : 14 Nov 2023 10:52
 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 11/15/2023
 Supervised By : Mahesh Dadoda 11/15/2023

Quant Time: Nov 14 18:26:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 14 09:15:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	125224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	218278	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	202389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	105590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84048	47.178	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.360%		
35) Dibromofluoromethane	5.379	113	72579	48.400	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.800%		
50) Toluene-d8	8.647	98	274960	49.502	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.000%		
62) 4-Bromofluorobenzene	11.079	95	115975	49.938	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.880%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	70441	49.738	ug/l	99
3) Chloromethane	1.295	50	66894	45.479	ug/l	96
4) Vinyl Chloride	1.374	62	60416	46.885	ug/l	100
5) Bromomethane	1.599	94	35729	52.650	ug/l	94
6) Chloroethane	1.685	64	34923	44.917	ug/l	96
7) Trichlorofluoromethane	1.886	101	87178	45.378	ug/l	98
8) Diethyl Ether	2.130	74	31275	43.484	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.325	101	67029	47.983	ug/l	95
10) Methyl Iodide	2.453	142	85099	46.990	ug/l	89
11) Tert butyl alcohol	2.953	59	99282	218.093	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	66104	46.023	ug/l	83
13) Acrolein	2.233	56	68490	226.366	ug/l	100
14) Allyl chloride	2.660	41	120807	46.910	ug/l	88
15) Acrylonitrile	3.056	53	226389	228.234	ug/l	99
16) Acetone	2.374	43	247345	259.101	ug/l #	88
17) Carbon Disulfide	2.508	76	185695	47.638	ug/l	99
18) Methyl Acetate	2.697	43	197654	44.612	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	212054	45.844	ug/l	98
20) Methylene Chloride	2.788	84	71212	39.885	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	70749	45.596	ug/l	95
22) Diisopropyl ether	3.751	45	212224	45.301	ug/l	91
23) Vinyl Acetate	3.715	43	766152	240.756	ug/l	96
24) 1,1-Dichloroethane	3.605	63	119613	44.528	ug/l	98
25) 2-Butanone	4.544	43	335725	236.652	ug/l	95
26) 2,2-Dichloropropane	4.471	77	97235	48.569	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	80013	45.106	ug/l	91
28) Bromochloromethane	4.891	49	60230	49.569	ug/l	86
29) Tetrahydrofuran	4.995	42	207676	228.119	ug/l	94
30) Chloroform	5.087	83	123585	43.733	ug/l	97
31) Cyclohexane	5.465	56	112462	46.351	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	107243	46.066	ug/l	97
36) 1,1-Dichloropropene	5.690	75	95985	45.528	ug/l	97
37) Ethyl Acetate	4.702	43	115562	47.804	ug/l #	94
38) Carbon Tetrachloride	5.672	117	92511	47.469	ug/l	97
39) Methylcyclohexane	7.373	83	123817	47.518	ug/l	94
40) Benzene	6.031	78	275647	45.025	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	61362	47.646	ug/l	93
42) 1,2-Dichloroethane	6.080	62	92566	44.339	ug/l	95
43) Isopropyl Acetate	6.330	43	173179	47.555	ug/l	95
44) Trichloroethene	7.123	130	76244	45.778	ug/l	98
45) 1,2-Dichloropropane	7.428	63	70150	46.221	ug/l	99
46) Dibromomethane	7.580	93	49615	46.032	ug/l	95
47) Bromodichloromethane	7.818	83	92308	45.884	ug/l	95
48) Methyl methacrylate	7.690	41	85485	47.964	ug/l	89
49) 1,4-Dioxane	7.653	88	37598	1037.621	ug/l #	97
51) 4-Methyl-2-Pentanone	8.568	43	572639	232.708	ug/l	95
52) Toluene	8.714	92	176244	46.600	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	105143	49.918	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	114624	48.894	ug/l #	89
55) 1,1,2-Trichloroethane	9.147	97	71345	45.044	ug/l	95
56) Ethyl methacrylate	9.110	69	116330	47.267	ug/l #	90
57) 1,3-Dichloropropane	9.305	76	117143	45.353	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	234139	197.565	ug/l	98
59) 2-Hexanone	9.427	43	468939	236.479	ug/l	94
60) Dibromochloromethane	9.519	129	74117	48.671	ug/l	100
61) 1,2-Dibromoethane	9.610	107	77847	45.662	ug/l	100
64) Tetrachloroethene	9.269	164	60412	46.732	ug/l	96
65) Chlorobenzene	10.073	112	191865	46.368	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	66611	47.080	ug/l	97
67) Ethyl Benzene	10.189	91	339984	46.214	ug/l	100
68) m/p-Xylenes	10.299	106	262601	93.605	ug/l	99
69) o-Xylene	10.640	106	129178	47.451	ug/l	98
70) Styrene	10.653	104	213867	46.957	ug/l	98
71) Bromoform	10.799	173	53228	48.545	ug/l #	98
73) Isopropylbenzene	10.964	105	336152	45.777	ug/l	99
74) N-amyl acetate	10.842	43	145287	47.645	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	115887	43.611	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	101982m	45.233	ug/l	
77) Bromobenzene	11.195	156	78244	44.770	ug/l	98
78) n-propylbenzene	11.305	91	401959	45.765	ug/l	99
79) 2-Chlorotoluene	11.360	91	241709	44.881	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	291750	46.226	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	36895	47.023	ug/l	86
82) 4-Chlorotoluene	11.451	91	283220	45.681	ug/l	99
83) tert-Butylbenzene	11.713	119	279561	45.722	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	290652	45.868	ug/l	96
85) sec-Butylbenzene	11.890	105	364248	45.984	ug/l	100
86) p-Isopropyltoluene	12.006	119	302730	46.876	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	157226	44.694	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	156929	44.027	ug/l	99
89) n-Butylbenzene	12.329	91	281423	46.778	ug/l	99
90) Hexachloroethane	12.536	117	50381	48.855	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	146147	43.957	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	29985	47.305	ug/l	85
93) 1,2,4-Trichlorobenzene	13.585	180	98561	46.038	ug/l	98
94) Hexachlorobutadiene	13.725	225	39101	47.934	ug/l	99
95) Naphthalene	13.774	128	352152	45.805	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	95330	45.250	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

