

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111622\
 Data File : VX032859.D
 Acq On : 16 Nov 2022 11:39
 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 11/17/2022
 Supervised By : Mahesh Dadoda 11/17/2022

Quant Time: Nov 17 05:41:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	101960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	158416	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	144186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74377	52.500	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.000%			
35) Dibromofluoromethane	5.385	113	62592	55.391	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.780%			
50) Toluene-d8	8.647	98	206149	52.465	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.940%			
62) 4-Bromofluorobenzene	11.079	95	86531	56.377	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	55040	46.804	ug/l	94
3) Chloromethane	1.295	50	43701	43.943	ug/l	99
4) Vinyl Chloride	1.374	62	51146	46.730	ug/l	98
5) Bromomethane	1.618	94	47220	53.986	ug/l	98
6) Chloroethane	1.691	64	48451	65.986	ug/l	96
7) Trichlorofluoromethane	1.886	101	105795	51.014	ug/l	100
8) Diethyl Ether	2.130	74	34207	50.899	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	59936	54.757	ug/l	100
10) Methyl Iodide	2.453	142	60430	49.649	ug/l	100
11) Tert butyl alcohol	2.989	59	46891m	227.405	ug/l	
12) 1,1-Dichloroethene	2.319	96	51959	50.815	ug/l	95
13) Acrolein	2.240	56	59267	287.912	ug/l	100
14) Allyl chloride	2.666	41	86237	52.907	ug/l	99
15) Acrylonitrile	3.063	53	135630	242.364	ug/l	100
16) Acetone	2.386	43	154336	299.735	ug/l	99
17) Carbon Disulfide	2.514	76	101412	41.639	ug/l	99
18) Methyl Acetate	2.703	43	90511	54.055	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	200876	55.894	ug/l	99
20) Methylene Chloride	2.788	84	60971	51.645	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	56699	50.942	ug/l	98
22) Diisopropyl ether	3.758	45	205833	58.382	ug/l	96
23) Vinyl Acetate	3.721	43	754993	265.056	ug/l	100
24) 1,1-Dichloroethane	3.611	63	112394	55.423	ug/l	99
25) 2-Butanone	4.556	43	202453	253.784	ug/l	98
26) 2,2-Dichloropropane	4.471	77	93537	58.024	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	73312	56.985	ug/l	99
28) Bromochloromethane	4.891	49	35210	48.744	ug/l	98
29) Tetrahydrofuran	5.007	42	118735	233.414	ug/l	99
30) Chloroform	5.093	83	130567	58.676	ug/l	100
31) Cyclohexane	5.465	56	87444	50.907	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	116872	58.528	ug/l	99
36) 1,1-Dichloropropene	5.690	75	84830	53.909	ug/l	99
37) Ethyl Acetate	4.709	43	77977	47.607	ug/l	98
38) Carbon Tetrachloride	5.672	117	98674	56.537	ug/l	99
39) Methylcyclohexane	7.379	83	96116	51.626	ug/l	98
40) Benzene	6.038	78	245963	55.236	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	45386	54.393	ug/l	98
42) 1,2-Dichloroethane	6.086	62	104288	57.293	ug/l	99
43) Isopropyl Acetate	6.336	43	132289	52.602	ug/l	100
44) Trichloroethene	7.123	130	69830	55.706	ug/l	97
45) 1,2-Dichloropropane	7.428	63	65871	57.626	ug/l	99
46) Dibromomethane	7.580	93	48003	54.758	ug/l	98
47) Bromodichloromethane	7.818	83	99306	59.770	ug/l	99
48) Methyl methacrylate	7.690	41	68440	52.692	ug/l	99
49) 1,4-Dioxane	7.696	88	21682	875.935	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	411425	259.724	ug/l	99
52) Toluene	8.720	92	165190	56.859	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	101751	60.023	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	108497	59.839	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	71152	58.153	ug/l	100
56) Ethyl methacrylate	9.116	69	100169	56.891	ug/l	99
57) 1,3-Dichloropropane	9.305	76	114392	57.895	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	251696	296.879	ug/l	100
59) 2-Hexanone	9.427	43	312473	265.842	ug/l	99
60) Dibromochloromethane	9.519	129	80445	60.196	ug/l	100
61) 1,2-Dibromoethane	9.610	107	74284	57.300	ug/l	99
64) Tetrachloroethene	9.275	164	59410	56.295	ug/l	98
65) Chlorobenzene	10.080	112	186587	57.770	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	73375	60.362	ug/l	99
67) Ethyl Benzene	10.195	91	336441	58.251	ug/l	99
68) m/p-Xylenes	10.299	106	259252	115.596	ug/l	100
69) o-Xylene	10.640	106	128381	58.875	ug/l	100
70) Styrene	10.653	104	218283	60.234	ug/l	99
71) Bromoform	10.799	173	56280	58.558	ug/l #	99
73) Isopropylbenzene	10.964	105	351940	55.716	ug/l	100
74) N-amyl acetate	10.842	43	124504	52.166	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	104776	51.676	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	83224m	46.928	ug/l	
77) Bromobenzene	11.195	156	86232	55.684	ug/l	100
78) n-propylbenzene	11.305	91	407619	56.009	ug/l	100
79) 2-Chlorotoluene	11.366	91	243876	55.955	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	304677	56.436	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28342	50.853	ug/l	98
82) 4-Chlorotoluene	11.451	91	286202	56.118	ug/l	99
83) tert-Butylbenzene	11.713	119	302837	56.187	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	297245	55.358	ug/l	100
85) sec-Butylbenzene	11.890	105	369332	56.948	ug/l	100
86) p-Isopropyltoluene	12.012	119	317597	57.713	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	164129	56.186	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	168132	55.480	ug/l	98
89) n-Butylbenzene	12.335	91	275168	57.476	ug/l	100
90) Hexachloroethane	12.536	117	50519	56.203	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	163194	56.657	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21039	47.326	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	101837	54.224	ug/l	99
94) Hexachlorobutadiene	13.725	225	45021	57.398	ug/l	99
95) Naphthalene	13.774	128	320209	51.168	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	102251	53.559	ug/l	99

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

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