

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102822\
 Data File : VX032473.D
 Acq On : 28 Oct 2022 20:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 29 04:35:16 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	5.556	168	146079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229663	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93661	46.144	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.280%		
35) Dibromofluoromethane	5.385	113	78873	48.146	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.300%		
50) Toluene-d8	8.653	98	273648	48.039	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.080%		
62) 4-Bromofluorobenzene	11.079	95	109001	48.986	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	90621	53.787	ug/l	95
3) Chloromethane	1.294	50	78054	54.781	ug/l	96
4) Vinyl Chloride	1.374	62	87846	56.021	ug/l	99
5) Bromomethane	1.611	94	57825	46.144	ug/l	100
6) Chloroethane	1.685	64	56951	54.137	ug/l	100
7) Trichlorofluoromethane	1.886	101	146158	49.191	ug/l	100
8) Diethyl Ether	2.130	74	50307	52.247	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	79091	50.434	ug/l	98
10) Methyl Iodide	2.453	142	100028	57.064	ug/l	97
11) Tert butyl alcohol	2.983	59	62496	211.546	ug/l	99
12) 1,1-Dichloroethene	2.319	96	76192	52.009	ug/l	98
13) Acrolein	2.239	56	92005	311.961	ug/l	100
14) Allyl chloride	2.666	41	113973	48.805	ug/l	96
15) Acrylonitrile	3.062	53	183412	228.761	ug/l	98
16) Acetone	2.386	43	154856	209.914	ug/l	98
17) Carbon Disulfide	2.514	76	162140	46.467	ug/l	98
18) Methyl Acetate	2.703	43	110881	46.220	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	256243	49.766	ug/l	100
20) Methylene Chloride	2.794	84	83331	49.266	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	79979	50.155	ug/l	99
22) Diisopropyl ether	3.757	45	246011	48.703	ug/l	89
23) Vinyl Acetate	3.721	43	953528	233.652	ug/l	98
24) 1,1-Dichloroethane	3.611	63	144124	49.605	ug/l	100
25) 2-Butanone	4.556	43	240113	210.086	ug/l	100
26) 2,2-Dichloropropane	4.477	77	101149	43.795	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	93170	50.548	ug/l	97
28) Bromochloromethane	4.904	49	47687	46.079	ug/l	95
29) Tetrahydrofuran	5.007	42	155001	212.679	ug/l	97
30) Chloroform	5.099	83	154915	48.591	ug/l	97
31) Cyclohexane	5.471	56	122166	49.641	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	139122	48.629	ug/l	99
36) 1,1-Dichloropropene	5.696	75	110827	48.581	ug/l	100
37) Ethyl Acetate	4.708	43	100754	42.430	ug/l	99
38) Carbon Tetrachloride	5.678	117	118741	46.929	ug/l	96
39) Methylcyclohexane	7.379	83	134220	49.727	ug/l	98
40) Benzene	6.038	78	318327	49.310	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	56629	46.813	ug/l	97
42) 1,2-Dichloroethane	6.086	62	125620	47.603	ug/l	98
43) Isopropyl Acetate	6.342	43	165111	45.286	ug/l	98
44) Trichloroethene	7.129	130	87860	48.346	ug/l	98
45) 1,2-Dichloropropane	7.434	63	80292	48.451	ug/l	99
46) Dibromomethane	7.580	93	59013	46.434	ug/l	98
47) Bromodichloromethane	7.824	83	112761	46.814	ug/l	98
48) Methyl methacrylate	7.696	41	84375	44.808	ug/l	97
49) 1,4-Dioxane	7.684	88	31148	867.982	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	501821	218.514	ug/l	98
52) Toluene	8.720	92	207267	49.210	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	115559	47.021	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	127936	48.670	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	84655	47.725	ug/l	99
56) Ethyl methacrylate	9.116	69	125705	49.246	ug/l	95
57) 1,3-Dichloropropane	9.311	76	136489	47.649	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	296420	241.167	ug/l	99
59) 2-Hexanone	9.433	43	368886	216.477	ug/l	97
60) Dibromochloromethane	9.525	129	88343	45.598	ug/l	99
61) 1,2-Dibromoethane	9.610	107	89904	47.835	ug/l	99
64) Tetrachloroethene	9.275	164	73321	48.233	ug/l	98
65) Chlorobenzene	10.079	112	224976	48.357	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	83677	47.789	ug/l	99
67) Ethyl Benzene	10.195	91	408183	49.063	ug/l	100
68) m/p-Xylenes	10.305	106	317246	98.202	ug/l	99
69) o-Xylene	10.640	106	155823	49.610	ug/l	99
70) Styrene	10.659	104	260417	49.888	ug/l	99
71) Bromoform	10.799	173	62043	44.816	ug/l #	100
73) Isopropylbenzene	10.963	105	416146	47.861	ug/l	100
74) N-amyl acetate	10.842	43	152805	46.512	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	123919	44.401	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	111505m	45.678	ug/l	
77) Bromobenzene	11.201	156	101704	47.712	ug/l	99
78) n-propylbenzene	11.305	91	480513	47.966	ug/l	99
79) 2-Chlorotoluene	11.366	91	284839	47.478	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	358844	48.289	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	31577	41.161	ug/l	99
82) 4-Chlorotoluene	11.457	91	333376	47.489	ug/l	99
83) tert-Butylbenzene	11.713	119	353717	47.677	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	356803	48.275	ug/l	99
85) sec-Butylbenzene	11.890	105	427840	47.926	ug/l	99
86) p-Isopropyltoluene	12.012	119	369846	48.825	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	191987	47.746	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	196194	47.032	ug/l	99
89) n-Butylbenzene	12.335	91	319049	48.414	ug/l	99
90) Hexachloroethane	12.542	117	54351	43.927	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	190996	48.173	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25602	41.838	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	122147	47.249	ug/l	98
94) Hexachlorobutadiene	13.725	225	47425	43.925	ug/l	99
95) Naphthalene	13.774	128	406682	47.211	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	120607	45.895	ug/l	98

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

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