

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121322\
 Data File : VX033408.D
 Acq On : 13 Dec 2022 21:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2022
 Supervised By : Mahesh Dadoda 12/14/2022

Quant Time: Dec 14 05:42:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	136049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	217843	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	38101	43.654	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.300%		
35) Dibromofluoromethane	5.385	113	44238	45.149	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.300%		
50) Toluene-d8	8.647	98	96253	46.959	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.920%		
62) 4-Bromofluorobenzene	11.079	95	78415	50.034	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	43290	45.551	ug/l	98
3) Chloromethane	1.294	50	43107	39.230	ug/l	97
4) Vinyl Chloride	1.374	62	51847	41.323	ug/l	99
5) Bromomethane	1.605	94	30868	33.525	ug/l	95
6) Chloroethane	1.685	64	35932	37.757	ug/l	97
7) Trichlorofluoromethane	1.886	101	78302	33.242	ug/l	100
8) Diethyl Ether	2.136	74	26915	31.635	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	59989	48.010	ug/l	99
10) Methyl Iodide	2.453	142	48930	35.754	ug/l	99
11) Tert butyl alcohol	2.953	59	51031	191.239	ug/l	99
12) 1,1-Dichloroethene	2.319	96	55285	44.823	ug/l	96
13) Acrolein	2.233	56	48213	166.593	ug/l	97
14) Allyl chloride	2.666	41	84501	42.901	ug/l	96
15) Acrylonitrile	3.062	53	149602	226.325	ug/l	99
16) Acetone	2.373	43	132121	204.569	ug/l	99
17) Carbon Disulfide	2.514	76	131351	41.493	ug/l	99
18) Methyl Acetate	2.703	43	85277	45.611	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	191308	44.778	ug/l	100
20) Methylene Chloride	2.788	84	61078	42.405	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	61394	45.504	ug/l	99
22) Diisopropyl ether	3.757	45	197149	46.718	ug/l	95
23) Vinyl Acetate	3.721	43	751470	229.423	ug/l	97
24) 1,1-Dichloroethane	3.611	63	108646	43.817	ug/l	99
25) 2-Butanone	4.550	43	208828	225.257	ug/l	99
26) 2,2-Dichloropropane	4.477	77	78562	43.085	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	73846	45.797	ug/l	96
28) Bromochloromethane	4.903	49	45355	43.697	ug/l	93
29) Tetrahydrofuran	5.001	42	139726	232.626	ug/l	98
30) Chloroform	5.092	83	128442	46.660	ug/l	98
31) Cyclohexane	5.470	56	98394	47.436	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	112658	47.567	ug/l	99
36) 1,1-Dichloropropene	5.696	75	89855	47.037	ug/l	99
37) Ethyl Acetate	4.708	43	80811	44.751	ug/l	99
38) Carbon Tetrachloride	5.678	117	101407	47.379	ug/l	96
39) Methylcyclohexane	7.379	83	105498	49.339	ug/l	99
40) Benzene	6.037	78	260019	46.683	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	46750	46.982	ug/l	98
42) 1,2-Dichloroethane	6.086	62	101779	46.017	ug/l	99
43) Isopropyl Acetate	6.336	43	133475	45.939	ug/l	98
44) Trichloroethene	7.129	130	72887	47.463	ug/l	100
45) 1,2-Dichloropropane	7.434	63	65864	46.238	ug/l	100
46) Dibromomethane	7.580	93	50215	46.276	ug/l	98
47) Bromodichloromethane	7.824	83	100949	47.725	ug/l	100
48) Methyl methacrylate	7.690	41	69299	46.213	ug/l	92
49) 1,4-Dioxane	7.665	88	26398	771.996	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	441123	240.079	ug/l	96
52) Toluene	8.720	92	178449	49.553	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	99115	43.938	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	107336	47.686	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	73650	48.653	ug/l	99
56) Ethyl methacrylate	9.116	69	103871	48.735	ug/l	91
57) 1,3-Dichloropropane	9.305	76	116806	48.032	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	235460	241.440	ug/l	98
59) 2-Hexanone	9.427	43	330264	243.909	ug/l	95
60) Dibromochloromethane	9.518	129	81386	48.796	ug/l	100
61) 1,2-Dibromoethane	9.610	107	79172	49.169	ug/l	99
64) Tetrachloroethene	9.275	164	64411	46.271	ug/l	97
65) Chlorobenzene	10.079	112	194192	47.106	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	73800	47.372	ug/l	100
67) Ethyl Benzene	10.195	91	351577	48.953	ug/l	99
68) m/p-Xylenes	10.299	106	276444	98.934	ug/l	97
69) o-Xylene	10.640	106	135940	49.219	ug/l	96
70) Styrene	10.652	104	227727	50.344	ug/l	97
71) Bromoform	10.799	173	59071	47.903	ug/l #	100
73) Isopropylbenzene	10.963	105	359379	47.113	ug/l	99
74) N-amyl acetate	10.841	43	118889	45.682	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	111301	45.993	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	98092m	45.813	ug/l	
77) Bromobenzene	11.201	156	87599	45.477	ug/l	99
78) n-propylbenzene	11.305	91	407136	47.801	ug/l	99
79) 2-Chlorotoluene	11.366	91	246060	46.746	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	306609	48.288	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28942	42.047	ug/l	96
82) 4-Chlorotoluene	11.457	91	283442	46.308	ug/l	98
83) tert-Butylbenzene	11.713	119	308389	48.705	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	303851	47.939	ug/l	99
85) sec-Butylbenzene	11.890	105	363550	49.211	ug/l	99
86) p-Isopropyltoluene	12.012	119	311636	48.929	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	165579	47.454	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	167293	46.939	ug/l	99
89) n-Butylbenzene	12.335	91	259678	49.779	ug/l	99
90) Hexachloroethane	12.542	117	49621	45.834	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	164179	47.063	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23209	44.401	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	103009	48.893	ug/l	98
94) Hexachlorobutadiene	13.725	225	41739	49.473	ug/l	99
95) Naphthalene	13.774	128	341888	48.649	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	102634	48.099	ug/l	100

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

