

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111522\
 Data File : VX032835.D
 Acq On : 15 Nov 2022 20:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/16/2022
 Supervised By : Mahesh Dadoda 11/16/2022

Quant Time: Nov 16 03:36:12 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	102004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	161658	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70438	49.698	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.400%		
35) Dibromofluoromethane	5.385	113	58924	51.100	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.200%		
50) Toluene-d8	8.647	98	196917	49.111	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.220%		
62) 4-Bromofluorobenzene	11.079	95	83068	53.036	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	52058	44.249	ug/l	97
3) Chloromethane	1.294	50	40755	40.963	ug/l	94
4) Vinyl Chloride	1.374	62	48229	44.046	ug/l	97
5) Bromomethane	1.618	94	40193	45.932	ug/l	97
6) Chloroethane	1.691	64	47484	64.641	ug/l	99
7) Trichlorofluoromethane	1.886	101	98187	47.325	ug/l	100
8) Diethyl Ether	2.130	74	32712	48.653	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	55289	50.490	ug/l	99
10) Methyl Iodide	2.453	142	58984	48.487	ug/l	99
11) Tert butyl alcohol	3.008	59	48845m	236.779	ug/l	
12) 1,1-Dichloroethene	2.319	96	49034	47.933	ug/l	97
13) Acrolein	2.239	56	47955	232.859	ug/l	99
14) Allyl chloride	2.666	41	80632	49.447	ug/l	99
15) Acrylonitrile	3.069	53	131140	234.239	ug/l	99
16) Acetone	2.392	43	112751	218.879	ug/l	98
17) Carbon Disulfide	2.514	76	97148	39.871	ug/l	98
18) Methyl Acetate	2.703	43	87191	52.050	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	188520	52.434	ug/l	99
20) Methylene Chloride	2.788	84	57454	48.645	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	53795	48.312	ug/l	97
22) Diisopropyl ether	3.757	45	192550	54.591	ug/l	89
23) Vinyl Acetate	3.721	43	710782	249.427	ug/l	99
24) 1,1-Dichloroethane	3.611	63	105733	52.116	ug/l	99
25) 2-Butanone	4.562	43	180071	225.630	ug/l	100
26) 2,2-Dichloropropane	4.477	77	82412	51.100	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	68570	53.276	ug/l	100
28) Bromochloromethane	4.897	49	32905	45.534	ug/l	100
29) Tetrahydrofuran	5.013	42	113243	222.522	ug/l	98
30) Chloroform	5.093	83	121883	54.749	ug/l	98
31) Cyclohexane	5.471	56	80738	46.982	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	107298	53.710	ug/l	100
36) 1,1-Dichloropropene	5.696	75	79794	49.692	ug/l	98
37) Ethyl Acetate	4.715	43	74169	44.374	ug/l	99
38) Carbon Tetrachloride	5.678	117	92359	51.857	ug/l	100
39) Methylcyclohexane	7.385	83	88144	46.394	ug/l	97
40) Benzene	6.038	78	233260	51.333	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	42601	50.032	ug/l	98
42) 1,2-Dichloroethane	6.086	62	98520	53.038	ug/l	100
43) Isopropyl Acetate	6.342	43	124810	48.633	ug/l	99
44) Trichloroethene	7.129	130	64376	50.325	ug/l	97
45) 1,2-Dichloropropane	7.428	63	61001	52.295	ug/l	96
46) Dibromomethane	7.580	93	46132	51.568	ug/l	99
47) Bromodichloromethane	7.824	83	94174	55.545	ug/l	98
48) Methyl methacrylate	7.690	41	64868	48.941	ug/l	99
49) 1,4-Dioxane	7.720	88	22364	885.368	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	394478	244.032	ug/l	100
52) Toluene	8.720	92	154473	52.104	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	92185	53.289	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	100670	54.409	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	67021	53.679	ug/l	98
56) Ethyl methacrylate	9.116	69	94715	52.714	ug/l	99
57) 1,3-Dichloropropane	9.311	76	107199	53.167	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	215005	248.515	ug/l	100
59) 2-Hexanone	9.433	43	281600	234.772	ug/l	100
60) Dibromochloromethane	9.519	129	76652	56.207	ug/l	98
61) 1,2-Dibromoethane	9.610	107	69429	52.481	ug/l	99
64) Tetrachloroethene	9.275	164	55275	51.325	ug/l	97
65) Chlorobenzene	10.079	112	173581	52.664	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	68320	55.075	ug/l	99
67) Ethyl Benzene	10.195	91	315626	53.550	ug/l	99
68) m/p-Xylenes	10.299	106	241001	105.301	ug/l	99
69) o-Xylene	10.640	106	120668	54.227	ug/l	98
70) Styrene	10.653	104	203758	55.097	ug/l	99
71) Bromoform	10.799	173	53720	54.773	ug/l #	99
73) Isopropylbenzene	10.963	105	327564	51.484	ug/l	99
74) N-amyl acetate	10.842	43	114045	47.440	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	100269	49.098	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	88580m	49.589	ug/l	
77) Bromobenzene	11.201	156	80648	51.704	ug/l	99
78) n-propylbenzene	11.305	91	375807	51.267	ug/l	99
79) 2-Chlorotoluene	11.366	91	226599	51.617	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	281285	51.729	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	26154	46.590	ug/l	98
82) 4-Chlorotoluene	11.457	91	266883	51.954	ug/l	99
83) tert-Butylbenzene	11.713	119	285942	52.671	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	281042	51.965	ug/l	100
85) sec-Butylbenzene	11.890	105	341094	52.216	ug/l	100
86) p-Isopropyltoluene	12.012	119	288934	52.127	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	152861	51.952	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	155244	50.859	ug/l	99
89) n-Butylbenzene	12.335	91	249145	51.666	ug/l	100
90) Hexachloroethane	12.542	117	47131	52.057	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	152520	52.571	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20010	44.688	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	94368	49.886	ug/l	98
94) Hexachlorobutadiene	13.725	225	39660	50.200	ug/l	99
95) Naphthalene	13.774	128	303639	48.172	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	93896	48.829	ug/l	100

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

