

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101322\
 Data File : VX032099.D
 Acq On : 13 Oct 2022 10:20
 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 10/14/2022
 Supervised By : Mahesh Dadoda 10/14/2022

Quant Time: Oct 14 07:48:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	76159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	115401	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87403	55.570	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.140%			
35) Dibromofluoromethane	5.385	113	68278	52.269	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.540%			
50) Toluene-d8	8.647	98	240107	51.082	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.160%			
62) 4-Bromofluorobenzene	11.079	95	97728	58.811	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.620%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	58886	51.954	ug/l	99
3) Chloromethane	1.288	50	51121	43.072	ug/l	98
4) Vinyl Chloride	1.374	62	61750	44.519	ug/l	99
5) Bromomethane	1.612	94	43660	48.441	ug/l	99
6) Chloroethane	1.685	64	50850	43.081	ug/l	97
7) Trichlorofluoromethane	1.886	101	125323	50.265	ug/l	99
8) Diethyl Ether	2.130	74	40979	48.219	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.325	101	64159	50.911	ug/l	93
10) Methyl Iodide	2.447	142	59566	46.648	ug/l	96
11) Tert butyl alcohol	2.989	59	52232	266.914	ug/l	100
12) 1,1-Dichloroethene	2.319	96	55939	48.221	ug/l	95
13) Acrolein	2.240	56	26282	231.810	ug/l	98
14) Allyl chloride	2.660	41	92311	55.925	ug/l	95
15) Acrylonitrile	3.063	53	155983	250.043	ug/l	99
16) Acetone	2.386	43	152596	285.466	ug/l	99
17) Carbon Disulfide	2.508	76	113297	45.480	ug/l	99
18) Methyl Acetate	2.703	43	95554	54.177	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	213444	54.830	ug/l	99
20) Methylene Chloride	2.788	84	65132	46.367	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	60417	47.029	ug/l	94
22) Diisopropyl ether	3.758	45	209117	56.355	ug/l	98
23) Vinyl Acetate	3.721	43	818301	295.021	ug/l	99
24) 1,1-Dichloroethane	3.605	63	118096	53.092	ug/l	99
25) 2-Butanone	4.556	43	231238	276.725	ug/l	98
26) 2,2-Dichloropropane	4.471	77	98579	61.701	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	75799	49.311	ug/l	95
28) Bromochloromethane	4.891	49	51180	53.756	ug/l	91
29) Tetrahydrofuran	5.001	42	134278	249.049	ug/l	95
30) Chloroform	5.087	83	134722	54.375	ug/l	96
31) Cyclohexane	5.471	56	95528	50.841	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	119385	56.702	ug/l	99
36) 1,1-Dichloropropene	5.690	75	93471	53.961	ug/l	98
37) Ethyl Acetate	4.709	43	90142	55.275	ug/l	99
38) Carbon Tetrachloride	5.672	117	102502	57.874	ug/l	98
39) Methylcyclohexane	7.379	83	110135	53.304	ug/l	98
40) Benzene	6.038	78	260103	51.280	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	50811	59.918	ug/l	98
42) 1,2-Dichloroethane	6.086	62	110391	59.725	ug/l	99
43) Isopropyl Acetate	6.336	43	149618	60.470	ug/l	99
44) Trichloroethene	7.123	130	73841	49.649	ug/l	97
45) 1,2-Dichloropropane	7.428	63	66908	53.676	ug/l	97
46) Dibromomethane	7.580	93	51362	53.167	ug/l	96
47) Bromodichloromethane	7.818	83	102827	61.616	ug/l	99
48) Methyl methacrylate	7.690	41	73846	62.459	ug/l	97
49) 1,4-Dioxane	7.690	88	26737	999.640	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	467115	284.885	ug/l	99
52) Toluene	8.714	92	174929	52.747	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	105331	58.424	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	112738	62.379	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	72081	51.496	ug/l	96
56) Ethyl methacrylate	9.116	69	106827	59.540	ug/l	99
57) 1,3-Dichloropropane	9.305	76	121784	54.143	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	264101	285.153	ug/l	96
59) 2-Hexanone	9.433	43	359798	297.603	ug/l	99
60) Dibromochloromethane	9.519	129	78753	61.478	ug/l	99
61) 1,2-Dibromoethane	9.610	107	75926	53.939	ug/l	99
64) Tetrachloroethene	9.275	164	73947	51.324	ug/l	99
65) Chlorobenzene	10.080	112	189207	48.931	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	74004	55.310	ug/l	98
67) Ethyl Benzene	10.195	91	348346	53.251	ug/l	99
68) m/p-Xylenes	10.299	106	266573	102.545	ug/l	96
69) o-Xylene	10.640	106	130455	51.630	ug/l	97
70) Styrene	10.653	104	219311	54.295	ug/l	98
71) Bromoform	10.799	173	53587	61.178	ug/l #	100
73) Isopropylbenzene	10.964	105	360267	50.976	ug/l	97
74) N-amyl acetate	10.842	43	133233	61.733	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	108086	48.135	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	103647m	53.970	ug/l	
77) Bromobenzene	11.195	156	83694	48.075	ug/l	97
78) n-propylbenzene	11.305	91	425909	52.984	ug/l	98
79) 2-Chlorotoluene	11.366	91	251440	51.978	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	315062	53.751	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	29592	54.342	ug/l #	84
82) 4-Chlorotoluene	11.457	91	301918	54.496	ug/l	96
83) tert-Butylbenzene	11.713	119	298837	51.512	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	311795	52.363	ug/l	97
85) sec-Butylbenzene	11.890	105	395192	55.023	ug/l	98
86) p-Isopropyltoluene	12.006	119	343383	56.784	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	167625	50.570	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	169782	49.762	ug/l	99
89) n-Butylbenzene	12.335	91	308426	60.906	ug/l	99
90) Hexachloroethane	12.536	117	53175	55.160	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	163526	49.619	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25043	60.927	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	107446	53.717	ug/l	100
94) Hexachlorobutadiene	13.725	225	45895	56.730	ug/l	98
95) Naphthalene	13.774	128	355725	51.900	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	104626	51.567	ug/l	99

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

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