

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101122\
 Data File : VX032051.D
 Acq On : 11 Oct 2022 20:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/12/2022
 Supervised By : Mahesh Dadoda 10/12/2022

Quant Time: Oct 12 05:20:09 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	5.556	168	67793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	105399	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76801	54.855	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.720%			
35) Dibromofluoromethane	5.385	113	61435	51.494	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.980%			
50) Toluene-d8	8.653	98	224584	52.314	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.620%			
62) 4-Bromofluorobenzene	11.079	95	87092	57.384	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	51303	50.850	ug/l	97
3) Chloromethane	1.288	50	46126	43.659	ug/l	97
4) Vinyl Chloride	1.374	62	54379	44.043	ug/l	97
5) Bromomethane	1.611	94	43263	54.358	ug/l	99
6) Chloroethane	1.685	64	45442	43.250	ug/l	98
7) Trichlorofluoromethane	1.886	101	104076	46.895	ug/l	98
8) Diethyl Ether	2.130	74	35803	47.327	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	52101	46.445	ug/l	93
10) Methyl Iodide	2.453	142	46560	41.298	ug/l	99
11) Tert butyl alcohol	2.989	59	43758	251.205	ug/l	99
12) 1,1-Dichloroethene	2.319	96	47324	45.829	ug/l	96
13) Acrolein	2.239	56	25428	253.400	ug/l	97
14) Allyl chloride	2.660	41	73943	50.325	ug/l	97
15) Acrylonitrile	3.068	53	137948	248.422	ug/l	99
16) Acetone	2.386	43	117992	247.971	ug/l	99
17) Carbon Disulfide	2.514	76	94743	42.726	ug/l	100
18) Methyl Acetate	2.703	43	84735	53.971	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	173974	50.206	ug/l	99
20) Methylene Chloride	2.788	84	55229	44.169	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	52027	45.496	ug/l	97
22) Diisopropyl ether	3.763	45	177379	53.701	ug/l	98
23) Vinyl Acetate	3.721	43	686768	278.155	ug/l	98
24) 1,1-Dichloroethane	3.611	63	99681	50.344	ug/l	97
25) 2-Butanone	4.562	43	192164	258.344	ug/l	99
26) 2,2-Dichloropropane	4.477	77	64269	45.190	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	64874	47.412	ug/l	91
28) Bromochloromethane	4.903	49	47030	55.492	ug/l	91
29) Tetrahydrofuran	5.007	42	122763	255.790	ug/l	96
30) Chloroform	5.092	83	113088	51.276	ug/l	96
31) Cyclohexane	5.477	56	80748	48.278	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	94999	50.688	ug/l	99
36) 1,1-Dichloropropene	5.690	75	76281	48.216	ug/l	100
37) Ethyl Acetate	4.714	43	78177	52.488	ug/l	99
38) Carbon Tetrachloride	5.684	117	79953	49.426	ug/l	99
39) Methylcyclohexane	7.379	83	89158	47.247	ug/l	99
40) Benzene	6.044	78	224563	48.474	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	42986	55.500	ug/l	97
42) 1,2-Dichloroethane	6.092	62	91442	54.168	ug/l	100
43) Isopropyl Acetate	6.342	43	125877	55.702	ug/l	99
44) Trichloroethene	7.129	130	62373	45.918	ug/l	93
45) 1,2-Dichloropropane	7.434	63	57940	50.892	ug/l	92
46) Dibromomethane	7.580	93	43289	49.063	ug/l	94
47) Bromodichloromethane	7.824	83	81628	53.555	ug/l	98
48) Methyl methacrylate	7.690	41	62915	58.263	ug/l	98
49) 1,4-Dioxane	7.690	88	24748	1014.079	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	416632	278.209	ug/l	100
52) Toluene	8.720	92	150536	49.699	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	80698	49.203	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	88695	53.733	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	62909	49.209	ug/l	95
56) Ethyl methacrylate	9.116	69	89402	54.557	ug/l	98
57) 1,3-Dichloropropane	9.311	76	104969	51.096	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	231050	273.141	ug/l	97
59) 2-Hexanone	9.433	43	310643	281.328	ug/l	99
60) Dibromochloromethane	9.518	129	62401	53.336	ug/l	99
61) 1,2-Dibromoethane	9.610	107	65398	50.869	ug/l	99
64) Tetrachloroethene	9.275	164	60404	45.285	ug/l	97
65) Chlorobenzene	10.079	112	162512	45.396	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	59332	47.899	ug/l	98
67) Ethyl Benzene	10.195	91	293929	48.534	ug/l	100
68) m/p-Xylenes	10.305	106	226011	93.911	ug/l	97
69) o-Xylene	10.640	106	111237	47.554	ug/l	97
70) Styrene	10.659	104	188048	50.287	ug/l	99
71) Bromoform	10.799	173	40647	50.125	ug/l #	99
73) Isopropylbenzene	10.963	105	299742	47.737	ug/l	98
74) N-amyl acetate	10.841	43	113298	59.087	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	95286	47.762	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	77080m	45.175	ug/l	
77) Bromobenzene	11.201	156	69850	45.160	ug/l	97
78) n-propylbenzene	11.305	91	355317	49.751	ug/l	99
79) 2-Chlorotoluene	11.366	91	208899	48.605	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	256667	49.286	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	21986	46.032	ug/l #	81
82) 4-Chlorotoluene	11.457	91	244850	49.744	ug/l	98
83) tert-Butylbenzene	11.713	119	254584	49.394	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	261865	49.499	ug/l	98
85) sec-Butylbenzene	11.890	105	325296	50.977	ug/l	98
86) p-Isopropyltoluene	12.012	119	276343	51.435	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	137678	46.750	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	138274	45.616	ug/l	99
89) n-Butylbenzene	12.335	91	243685	54.162	ug/l	99
90) Hexachloroethane	12.542	117	41258	48.337	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	138242	47.214	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20583	56.363	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	85831	48.298	ug/l	98
94) Hexachlorobutadiene	13.725	225	36639	50.975	ug/l	98
95) Naphthalene	13.774	128	309512	50.827	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	89161	49.462	ug/l	97

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

