

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030422\
 Data File : VX027290.D
 Acq On : 04 Mar 2022 10:13
 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 03/07/2022
 Supervised By : Mahesh Dadoda 03/07/2022

Quant Time: Mar 05 02:52:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 13:06:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	70322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	107331	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	98776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	49494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	39837	47.168	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 94.340%			
35) Dibromofluoromethane	5.391	113	34128	51.226	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.460%			
50) Toluene-d8	8.647	98	125244	50.277	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.560%			
62) 4-Bromofluorobenzene	11.079	95	47491	49.666	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	33588	48.050	ug/l	99
3) Chloromethane	1.301	50	27588	42.221	ug/l	99
4) Vinyl Chloride	1.380	62	27774	42.673	ug/l	100
5) Bromomethane	1.605	94	13727	48.268	ug/l	100
6) Chloroethane	1.691	64	17687	44.254	ug/l	99
7) Trichlorofluoromethane	1.892	101	51293	50.671	ug/l	96
8) Diethyl Ether	2.136	74	16546	46.960	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.331	101	36123	51.224	ug/l	95
10) Methyl Iodide	2.459	142	32696	34.529	ug/l	96
11) Tert butyl alcohol	2.959	59	30897	188.023	ug/l	96
12) 1,1-Dichloroethene	2.325	96	34223	49.989	ug/l	85
13) Acrolein	2.240	56	34437	226.729	ug/l	98
14) Allyl chloride	2.666	41	56229	46.649	ug/l	97
15) Acrylonitrile	3.063	53	95967	227.591	ug/l	99
16) Acetone	2.380	43	97959	264.171	ug/l	95
17) Carbon Disulfide	2.514	76	82358	46.264	ug/l	99
18) Methyl Acetate	2.703	43	42158	44.046	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	116887	49.758	ug/l	99
20) Methylene Chloride	2.794	84	37421	48.688	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	36302	49.722	ug/l	97
22) Diisopropyl ether	3.758	45	112345	47.810	ug/l	89
23) Vinyl Acetate	3.721	43	484854	244.343	ug/l	96
24) 1,1-Dichloroethane	3.611	63	65242	49.114	ug/l	99
25) 2-Butanone	4.556	43	134440	227.656	ug/l	95
26) 2,2-Dichloropropane	4.483	77	52234	54.203	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	42501	50.196	ug/l	95
28) Bromochloromethane	4.904	49	25980	48.344	ug/l	86
29) Tetrahydrofuran	5.001	42	83520	211.314	ug/l	94
30) Chloroform	5.099	83	69594	50.440	ug/l	98
31) Cyclohexane	5.471	56	58879	46.549	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	61952	51.869	ug/l	99
36) 1,1-Dichloropropene	5.690	75	51045	52.499	ug/l	97
37) Ethyl Acetate	4.709	43	49334	46.213	ug/l	98
38) Carbon Tetrachloride	5.678	117	56954	56.163	ug/l	96
39) Methylcyclohexane	7.385	83	63748	52.706	ug/l	93
40) Benzene	6.038	78	147175	51.761	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	28390	48.479	ug/l	95
42) 1,2-Dichloroethane	6.086	62	54266	53.798	ug/l	98
43) Isopropyl Acetate	6.336	43	81953	49.903	ug/l	96
44) Trichloroethene	7.123	130	44815	52.688	ug/l	90
45) 1,2-Dichloropropane	7.434	63	36759	52.911	ug/l	98
46) Dibromomethane	7.580	93	27337	54.784	ug/l	94
47) Bromodichloromethane	7.824	83	53768	55.206	ug/l	99
48) Methyl methacrylate	7.690	41	41125	51.735	ug/l	93
49) 1,4-Dioxane	7.653	88	14663	815.942	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	254045	238.005	ug/l	96
52) Toluene	8.720	92	95368	52.380	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	55811	50.603	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	61465	56.536	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	38450	53.319	ug/l	97
56) Ethyl methacrylate	9.116	69	57974	51.637	ug/l	94
57) 1,3-Dichloropropane	9.311	76	64007	53.364	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	131922	243.769	ug/l	95
59) 2-Hexanone	9.427	43	195225	239.303	ug/l	95
60) Dibromochloromethane	9.519	129	43635	58.329	ug/l	100
61) 1,2-Dibromoethane	9.610	107	40969	53.347	ug/l	100
64) Tetrachloroethene	9.275	164	45412	50.815	ug/l	93
65) Chlorobenzene	10.080	112	108560	53.916	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	40053	54.854	ug/l	100
67) Ethyl Benzene	10.195	91	185820	52.570	ug/l	98
68) m/p-Xylenes	10.299	106	146196	107.586	ug/l	96
69) o-Xylene	10.640	106	70981	52.045	ug/l	95
70) Styrene	10.653	104	121222	54.319	ug/l	97
71) Bromoform	10.799	173	30792	48.952	ug/l #	98
73) Isopropylbenzene	10.964	105	188386	53.192	ug/l	99
74) N-amyl acetate	10.842	43	67732	50.264	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.214	83	53508	51.152	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	52120m	52.281	ug/l	
77) Bromobenzene	11.201	156	47327	53.575	ug/l	91
78) n-propylbenzene	11.305	91	217450	54.021	ug/l	99
79) 2-Chlorotoluene	11.366	91	130015	52.709	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	160758	53.981	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	15765	46.625	ug/l	90
82) 4-Chlorotoluene	11.457	91	150021	53.239	ug/l	96
83) tert-Butylbenzene	11.713	119	155540	53.714	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	161962	54.676	ug/l	97
85) sec-Butylbenzene	11.890	105	200570	55.240	ug/l	97
86) p-Isopropyltoluene	12.012	119	172380	55.690	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	90253	54.296	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	90121	53.025	ug/l	97
89) n-Butylbenzene	12.335	91	144479	55.845	ug/l	99
90) Hexachloroethane	12.536	117	25877	53.970	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	85366	52.634	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	12318	50.721	ug/l	86
93) 1,2,4-Trichlorobenzene	13.591	180	56911	55.606	ug/l	98
94) Hexachlorobutadiene	13.725	225	24195	56.941	ug/l	97
95) Naphthalene	13.774	128	183538	52.774	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	56880	55.445	ug/l	99

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

