

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020722\
 Data File : VX026774.D
 Acq On : 07 Feb 2022 10:40
 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 02/08/2022
 Supervised By : Mahesh Dadoda 02/08/2022

Quant Time: Feb 07 23:26:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	90840	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	143540	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59182	46.638	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.280%			
35) Dibromofluoromethane	5.385	113	48430	52.247	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.500%			
50) Toluene-d8	8.647	98	179766	53.818	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.640%			
62) 4-Bromofluorobenzene	11.079	95	67297	56.714	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	44956	41.910	ug/l	100
3) Chloromethane	1.294	50	42238	42.954	ug/l	100
4) Vinyl Chloride	1.380	62	46491	45.031	ug/l	97
5) Bromomethane	1.617	94	21994	46.181	ug/l	97
6) Chloroethane	1.691	64	22152	42.431	ug/l	99
7) Trichlorofluoromethane	1.892	101	74693	45.824	ug/l	100
8) Diethyl Ether	2.136	74	28163	48.827	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	51898	52.246	ug/l	98
10) Methyl Iodide	2.459	142	64438	59.348	ug/l	96
11) Tert butyl alcohol	3.026	59	48009m	271.964	ug/l	
12) 1,1-Dichloroethene	2.325	96	47095	49.641	ug/l	91
13) Acrolein	2.239	56	48420	258.132	ug/l	100
14) Allyl chloride	2.666	41	89688	51.407	ug/l	96
15) Acrylonitrile	3.068	53	152073	279.854	ug/l	100
16) Acetone	2.386	43	170390	263.303	ug/l	93
17) Carbon Disulfide	2.514	76	111424	40.228	ug/l	99
18) Methyl Acetate	2.703	43	70738	54.984	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	178263	51.785	ug/l	100
20) Methylene Chloride	2.794	84	55527	51.934	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	50255	48.932	ug/l	99
22) Diisopropyl ether	3.763	45	181824	51.306	ug/l	93
23) Vinyl Acetate	3.721	43	760628	260.741	ug/l	98
24) 1,1-Dichloroethane	3.611	63	98459	51.443	ug/l	100
25) 2-Butanone	4.556	43	238336	283.206	ug/l	98
26) 2,2-Dichloropropane	4.477	77	80129	56.481	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	62569	53.380	ug/l	97
28) Bromochloromethane	4.897	49	36186	46.045	ug/l	94
29) Tetrahydrofuran	5.007	42	134964	270.025	ug/l	98
30) Chloroform	5.092	83	103664	52.128	ug/l	99
31) Cyclohexane	5.470	56	85518	45.690	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	91642	52.391	ug/l	99
36) 1,1-Dichloropropene	5.696	75	74866	51.162	ug/l	99
37) Ethyl Acetate	4.714	43	81151	54.823	ug/l	98
38) Carbon Tetrachloride	5.678	117	81830	54.366	ug/l	97
39) Methylcyclohexane	7.379	83	92154	52.211	ug/l	97
40) Benzene	6.037	78	215940	53.390	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	47323	56.437	ug/l	97
42) 1,2-Dichloroethane	6.086	62	81098	51.248	ug/l	98
43) Isopropyl Acetate	6.342	43	133955	56.022	ug/l	98
44) Trichloroethene	7.129	130	67544	58.853	ug/l	95
45) 1,2-Dichloropropane	7.427	63	57102	56.560	ug/l	100
46) Dibromomethane	7.580	93	39906	56.072	ug/l	97
47) Bromodichloromethane	7.824	83	83103	57.792	ug/l	99
48) Methyl methacrylate	7.690	41	65691	55.436	ug/l	97
49) 1,4-Dioxane	7.690	88	19573	1006.513	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	400821	282.618	ug/l	98
52) Toluene	8.720	92	142800	57.575	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	87648	56.755	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	94661	61.290	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	58687	60.634	ug/l	98
56) Ethyl methacrylate	9.116	69	91187	61.475	ug/l	95
57) 1,3-Dichloropropane	9.311	76	98773	58.862	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	201675	259.293	ug/l	98
59) 2-Hexanone	9.433	43	315546	290.695	ug/l	97
60) Dibromochloromethane	9.518	129	65790	65.228	ug/l	99
61) 1,2-Dibromoethane	9.610	107	61194	60.675	ug/l	100
64) Tetrachloroethene	9.275	164	75814	61.494	ug/l	96
65) Chlorobenzene	10.079	112	155214	56.475	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	60136	58.887	ug/l	98
67) Ethyl Benzene	10.195	91	279725	56.007	ug/l	99
68) m/p-Xylenes	10.299	106	211806	113.322	ug/l	98
69) o-Xylene	10.640	106	104221	57.788	ug/l	97
70) Styrene	10.659	104	173106	58.822	ug/l	99
71) Bromoform	10.799	173	44441	56.548	ug/l #	100
73) Isopropylbenzene	10.963	105	278929	56.099	ug/l	100
74) N-amyl acetate	10.841	43	103255	53.793	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	68008	50.959	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	74585m	55.846	ug/l	
77) Bromobenzene	11.201	156	64091	56.267	ug/l	95
78) n-propylbenzene	11.305	91	317455	55.990	ug/l	99
79) 2-Chlorotoluene	11.366	91	186228	54.164	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	228431	55.727	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	24465	57.009	ug/l	90
82) 4-Chlorotoluene	11.457	91	212903	53.878	ug/l	98
83) tert-Butylbenzene	11.713	119	211658	55.312	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	228608	55.759	ug/l	98
85) sec-Butylbenzene	11.890	105	288043	58.195	ug/l	100
86) p-Isopropyltoluene	12.012	119	243232	58.573	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	121110	56.724	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	121555	56.248	ug/l	99
89) n-Butylbenzene	12.335	91	209731	58.854	ug/l	99
90) Hexachloroethane	12.542	117	39904	57.253	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	114969	56.981	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	17531	54.351	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	77833	60.169	ug/l	98
94) Hexachlorobutadiene	13.725	225	34040	62.337	ug/l	99
95) Naphthalene	13.774	128	259809	60.214	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	77683	61.064	ug/l	99

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

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