

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011722\
 Data File : VX026480.D
 Acq On : 17 Jan 2022 10:27
 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 01/18/2022
 Supervised By : Mahesh Dadoda 01/18/2022

Quant Time: Jan 18 00:39:42 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	5.556	168	105210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	168743	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	146613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72990	49.663	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.320%		
35) Dibromofluoromethane	5.391	113	55755	51.166	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.340%		
50) Toluene-d8	8.647	98	203261	51.763	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.520%		
62) 4-Bromofluorobenzene	11.079	95	77642	55.660	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	111.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	59523	47.911	ug/l	99
3) Chloromethane	1.294	50	54004	47.418	ug/l	99
4) Vinyl Chloride	1.380	62	58350	48.798	ug/l	99
5) Bromomethane	1.617	94	26410	47.879	ug/l	95
6) Chloroethane	1.691	64	28245	46.712	ug/l	100
7) Trichlorofluoromethane	1.892	101	90311	47.838	ug/l	99
8) Diethyl Ether	2.136	74	32317	48.376	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	57626	50.089	ug/l	99
10) Methyl Iodide	2.459	142	67174	53.862	ug/l	99
11) Tert butyl alcohol	3.020	59	43829m	214.373	ug/l	
12) 1,1-Dichloroethene	2.325	96	54069	49.208	ug/l	96
13) Acrolein	2.239	56	51335	236.293	ug/l	99
14) Allyl chloride	2.666	41	102483	50.718	ug/l	98
15) Acrylonitrile	3.068	53	158882	252.449	ug/l	100
16) Acetone	2.392	43	199937	266.763	ug/l	98
17) Carbon Disulfide	2.520	76	149788	46.692	ug/l	99
18) Methyl Acetate	2.709	43	73300	49.194	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	193120	48.439	ug/l	99
20) Methylene Chloride	2.794	84	58624	47.341	ug/l	98
21) trans-1,2-Dichloroethene	3.099	96	58451	49.139	ug/l	99
22) Diisopropyl ether	3.763	45	200324	48.806	ug/l	97
23) Vinyl Acetate	3.727	43	857960	253.936	ug/l	99
24) 1,1-Dichloroethane	3.611	63	108669	49.023	ug/l	100
25) 2-Butanone	4.562	43	268907	275.889	ug/l	99
26) 2,2-Dichloropropane	4.477	77	85509	52.041	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	67173	49.480	ug/l	99
28) Bromochloromethane	4.897	49	46851	51.473	ug/l	100
29) Tetrahydrofuran	5.007	42	149967	259.061	ug/l	100
30) Chloroform	5.099	83	131336	57.023	ug/l	99
31) Cyclohexane	5.470	56	103595	47.789	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	101026	49.867	ug/l	99
36) 1,1-Dichloropropene	5.696	75	85653	49.792	ug/l	99
37) Ethyl Acetate	4.714	43	89470	51.415	ug/l	99
38) Carbon Tetrachloride	5.684	117	91514	51.718	ug/l	98
39) Methylcyclohexane	7.379	83	106418	51.287	ug/l	99
40) Benzene	6.043	78	237228	49.893	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	51214	51.955	ug/l	100
42) 1,2-Dichloroethane	6.086	62	92024	49.467	ug/l	100
43) Isopropyl Acetate	6.342	43	145606	51.800	ug/l	99
44) Trichloroethene	7.129	130	69075	51.198	ug/l	98
45) 1,2-Dichloropropane	7.433	63	60301	50.808	ug/l	96
46) Dibromomethane	7.580	93	43016	51.415	ug/l	99
47) Bromodichloromethane	7.824	83	89989	53.234	ug/l	99
48) Methyl methacrylate	7.690	41	72900	52.332	ug/l	99
49) 1,4-Dioxane	7.690	88	25160	1100.575	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	446766	267.964	ug/l	100
52) Toluene	8.720	92	149063	51.124	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	89768	49.688	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	97838	53.886	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	58549	51.456	ug/l	99
56) Ethyl methacrylate	9.116	69	94215	54.030	ug/l	99
57) 1,3-Dichloropropane	9.311	76	102030	51.721	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	246148	269.204	ug/l	99
59) 2-Hexanone	9.433	43	370495	290.339	ug/l	100
60) Dibromochloromethane	9.525	129	65322	55.091	ug/l	99
61) 1,2-Dibromoethane	9.610	107	62404	52.633	ug/l	99
64) Tetrachloroethene	9.275	164	71051	51.301	ug/l	98
65) Chlorobenzene	10.079	112	156433	50.667	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	59657	52.002	ug/l	99
67) Ethyl Benzene	10.195	91	288748	51.465	ug/l	100
68) m/p-Xylenes	10.305	106	218820	104.217	ug/l	100
69) o-Xylene	10.640	106	106069	52.353	ug/l	99
70) Styrene	10.659	104	178140	53.884	ug/l	99
71) Bromoform	10.799	173	44782	50.955	ug/l #	100
73) Isopropylbenzene	10.963	105	284525	48.938	ug/l	100
74) N-amyl acetate	10.841	43	115572	51.491	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	77981	49.971	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	80278m	51.404	ug/l	
77) Bromobenzene	11.201	156	65950	49.515	ug/l	99
78) n-propylbenzene	11.305	91	328747	49.585	ug/l	100
79) 2-Chlorotoluene	11.366	91	197257	49.064	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	240879	50.254	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	24826	50.131	ug/l	95
82) 4-Chlorotoluene	11.457	91	227411	49.216	ug/l	99
83) tert-Butylbenzene	11.713	119	225024	50.290	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	240129	50.088	ug/l	100
85) sec-Butylbenzene	11.890	105	295627	51.078	ug/l	99
86) p-Isopropyltoluene	12.012	119	253102	52.124	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	124344	49.806	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	125729	49.755	ug/l	99
89) n-Butylbenzene	12.335	91	221518	53.160	ug/l	100
90) Hexachloroethane	12.542	117	39692	49.027	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	120549	51.095	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20018	53.075	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	79467	52.537	ug/l	100
94) Hexachlorobutadiene	13.725	225	34168	53.511	ug/l	99
95) Naphthalene	13.780	128	268658	53.249	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	79409	53.382	ug/l	99

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

