

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070622\
 Data File : VD073792.D
 Acq On : 06 Jul 2022 15:18
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/07/2022
 Supervised By : Mahesh Dadoda 07/07/2022

Quant Time: Jul 07 04:57:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 07 04:53:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	114589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	219462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	204273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	93970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	59621	51.630	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.260%			
35) Dibromofluoromethane	7.908	113	58712	48.636	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.280%			
50) Toluene-d8	10.332	98	187249	42.676	ug/l	0.00
Spiked Amount 50.000	Range 78 - 12		Recovery = 85.360%#			
62) 4-Bromofluorobenzene	12.620	95	81117	46.542	ug/l	0.00
Spiked Amount 50.000	Range 50 - 14		Recovery = 93.080%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	29153	41.125	ug/l	100
3) Chloromethane	2.208	50	42418	51.388	ug/l	100
4) Vinyl Chloride	2.344	62	50098	53.495	ug/l	100
5) Bromomethane	2.756	94	37687	56.426	ug/l	100
6) Chloroethane	2.914	64	39913	57.788	ug/l	100
7) Trichlorofluoromethane	3.261	101	83023	49.732	ug/l	100
8) Diethyl Ether	3.703	74	27683	49.655	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.085	101	50556	46.208	ug/l	100
10) Methyl Iodide	4.291	142	34602	44.959	ug/l	100
11) Tert butyl alcohol	5.220	59	57277m	199.435	ug/l	
12) 1,1-Dichloroethene	4.055	96	41620	44.466	ug/l	100
13) Acrolein	3.920	56	28709	675.471	ug/l	100
14) Allyl chloride	4.702	41	81240	49.774	ug/l	100
15) Acrylonitrile	5.408	53	83274	270.898	ug/l	100
16) Acetone	4.155	43	62650	261.939	ug/l	100
17) Carbon Disulfide	4.408	76	60483	41.084	ug/l	100
18) Methyl Acetate	4.714	43	36799	39.742	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	162235	52.339	ug/l	100
20) Methylene Chloride	4.955	84	63760	41.674	ug/l	100
21) trans-1,2-Dichloroethene	5.461	96	48321	45.529	ug/l	100
22) Diisopropyl ether	6.355	45	219722	53.010	ug/l	100
23) Vinyl Acetate	6.297	43	638945	301.550	ug/l	100
24) 1,1-Dichloroethane	6.255	63	119819	51.735	ug/l	100
25) 2-Butanone	7.202	43	112336	281.842	ug/l	100
26) 2,2-Dichloropropane	7.202	77	105472	49.854	ug/l	100
27) cis-1,2-Dichloroethene	7.202	96	72574	50.181	ug/l	100
28) Bromochloromethane	7.543	49	49727	56.132	ug/l	100
29) Tetrahydrofuran	7.555	42	66434	267.052	ug/l	100
30) Chloroform	7.702	83	134447	54.332	ug/l	100
31) Cyclohexane	7.973	56	70829	39.741	ug/l	100
32) 1,1,1-Trichloroethane	7.896	97	112746	52.319	ug/l	100
36) 1,1-Dichloropropene	8.108	75	76508	46.055	ug/l	100
37) Ethyl Acetate	7.291	43	49354	55.089	ug/l	100
38) Carbon Tetrachloride	8.091	117	89954	49.829	ug/l	100
39) Methylcyclohexane	9.349	83	76663	41.135	ug/l	100
40) Benzene	8.343	78	235903	47.768	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	25976	46.161	ug/l	100
42) 1,2-Dichloroethane	8.414	62	85150	55.759	ug/l	100
43) Isopropyl Acetate	8.443	43	102171	53.513	ug/l	100
44) Trichloroethene	9.102	130	60329	46.413	ug/l	100
45) 1,2-Dichloropropane	9.379	63	71719	50.623	ug/l	100
46) Dibromomethane	9.467	93	40147	53.557	ug/l	100
47) Bromodichloromethane	9.649	83	109487	53.923	ug/l	100
48) Methyl methacrylate	9.449	41	45999	53.880	ug/l	100
49) 1,4-Dioxane	9.449	88	10904	1079.890	ug/l	100
51) 4-Methyl-2-Pentanone	10.220	43	273100	279.110	ug/l	100
52) Toluene	10.396	92	158401	48.075	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	102097	51.509	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	111474	49.996	ug/l	100
55) 1,1,2-Trichloroethane	10.790	97	58563	52.547	ug/l	100
56) Ethyl methacrylate	10.649	69	75593	51.358	ug/l	100
57) 1,3-Dichloropropane	10.937	76	98372	52.330	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	139378	236.732	ug/l	100
59) 2-Hexanone	10.973	43	182185	274.233	ug/l	100
60) Dibromochloromethane	11.132	129	73041	53.712	ug/l	100
61) 1,2-Dibromoethane	11.237	107	52552	51.306	ug/l	100
64) Tetrachloroethene	10.867	164	44269	42.474	ug/l	100
65) Chlorobenzene	11.661	112	180793	47.652	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	72922	50.797	ug/l	100
67) Ethyl Benzene	11.732	91	325474	46.900	ug/l	100
68) m/p-Xylenes	11.843	106	247158	93.461	ug/l	100
69) o-Xylene	12.173	106	121706	47.127	ug/l	100
70) Styrene	12.184	104	217055	48.794	ug/l	100
71) Bromoform	12.349	173	39811	52.578	ug/l #	100
73) Isopropylbenzene	12.467	105	341227	47.751	ug/l	100
74) N-amyl acetate	12.279	43	100380	51.165	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.720	83	74513	51.681	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	42285m	47.346	ug/l	100
77) Bromobenzene	12.749	156	69284	47.372	ug/l	100
78) n-propylbenzene	12.808	91	417717	46.782	ug/l	100
79) 2-Chlorotoluene	12.896	91	242241	48.347	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	283664	47.624	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	22858	49.154	ug/l	100
82) 4-Chlorotoluene	12.990	91	255995	49.065	ug/l	100
83) tert-Butylbenzene	13.208	119	257801	48.739	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	279417	47.549	ug/l	100
85) sec-Butylbenzene	13.384	105	378593	46.633	ug/l	100
86) p-Isopropyltoluene	13.502	119	304377	46.781	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	149960	48.952	ug/l	100
88) 1,4-Dichlorobenzene	13.578	146	148554	48.652	ug/l	100
89) n-Butylbenzene	13.826	91	306633	46.709	ug/l	100
90) Hexachloroethane	14.096	117	62885	48.343	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	136901	50.252	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	12510	51.873	ug/l	100
93) 1,2,4-Trichlorobenzene	15.143	180	75500	47.092	ug/l	100
94) Hexachlorobutadiene	15.249	225	35326	44.625	ug/l	100
95) Naphthalene	15.378	128	178342	49.804	ug/l	100
96) 1,2,3-Trichlorobenzene	15.572	180	68129	48.570	ug/l	100

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

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