

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032822\
 Data File : VD072444.D
 Acq On : 28 Mar 2022 11:01
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/29/2022
 Supervised By : Mahesh Dadoda 03/29/2022

Quant Time: Mar 29 01:28:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	390303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	629783	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	581420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	285776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	209989	48.277	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.560%		
35) Dibromofluoromethane	7.909	113	209363	47.241	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.480%		
50) Toluene-d8	10.332	98	744486	45.942	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.880%		
62) 4-Bromofluorobenzene	12.626	95	289998	46.057	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	143020	39.617	ug/l	97
3) Chloromethane	2.209	50	167752	52.293	ug/l	95
4) Vinyl Chloride	2.350	62	173530	56.040	ug/l	99
5) Bromomethane	2.762	94	113762	56.419	ug/l	99
6) Chloroethane	2.921	64	117267	57.279	ug/l	96
7) Trichlorofluoromethane	3.273	101	320701	45.861	ug/l	96
8) Diethyl Ether	3.709	74	97727	50.601	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	202376	45.387	ug/l	97
10) Methyl Iodide	4.303	142	180049	45.291	ug/l	99
11) Tert butyl alcohol	5.215	59	58935	233.683	ug/l	98
12) 1,1-Dichloroethene	4.068	96	174600	48.674	ug/l	92
13) Acrolein	3.921	56	47594	211.487	ug/l	99
14) Allyl chloride	4.715	41	331337	52.829	ug/l	95
15) Acrylonitrile	5.415	53	241973	248.303	ug/l	100
16) Acetone	4.156	43	246694	261.215	ug/l	95
17) Carbon Disulfide	4.409	76	376277	45.126	ug/l	97
18) Methyl Acetate	4.715	43	113995	49.255	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	501349	51.421	ug/l	96
20) Methylene Chloride	4.962	84	229841	49.048	ug/l	93
21) trans-1,2-Dichloroethene	5.468	96	201353	50.749	ug/l	93
22) Diisopropyl ether	6.362	45	754579	52.747	ug/l	94
23) Vinyl Acetate	6.303	43	2008486	275.104	ug/l	96
24) 1,1-Dichloroethane	6.262	63	424391	50.303	ug/l	99
25) 2-Butanone	7.203	43	323552	256.952	ug/l	98
26) 2,2-Dichloropropane	7.203	77	374177	49.154	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	254518	50.246	ug/l	96
28) Bromochloromethane	7.538	49	182933	53.860	ug/l	91
29) Tetrahydrofuran	7.561	42	192496	259.981	ug/l	97
30) Chloroform	7.703	83	444217	49.424	ug/l	96
31) Cyclohexane	7.979	56	330525	48.637	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	381151	47.747	ug/l	98
36) 1,1-Dichloropropene	8.109	75	304435	48.966	ug/l	97
37) Ethyl Acetate	7.285	43	132914	48.804	ug/l	97
38) Carbon Tetrachloride	8.097	117	322303	45.605	ug/l	99
39) Methylcyclohexane	9.350	83	344835	49.288	ug/l	99
40) Benzene	8.350	78	883274	49.798	ug/l	98

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41) Methacrylonitrile	7.520	41	86587	54.547	ug/l	94
42) 1,2-Dichloroethane	8.420	62	275393	51.183	ug/l	98
43) Isopropyl Acetate	8.444	43	266265	50.371	ug/l	96
44) Trichloroethene	9.108	130	237818	47.760	ug/l	96
45) 1,2-Dichloropropane	9.379	63	244544	50.272	ug/l	97
46) Dibromomethane	9.467	93	118665	49.591	ug/l	96
47) Bromodichloromethane	9.656	83	338836	48.574	ug/l #	99
48) Methyl methacrylate	9.450	41	126579	50.150	ug/l	88
49) 1,4-Dioxane	9.456	88	27795	968.655	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	703212	253.286	ug/l	96
52) Toluene	10.397	92	576589	49.401	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	318603	49.990	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	370535	50.292	ug/l	92
55) 1,1,2-Trichloroethane	10.791	97	173246	47.528	ug/l	98
56) Ethyl methacrylate	10.655	69	214210	50.172	ug/l	92
57) 1,3-Dichloropropane	10.938	76	302411	49.432	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	999765	520.791	ug/l	98
59) 2-Hexanone	10.979	43	508298	265.077	ug/l	97
60) Dibromochloromethane	11.132	129	222090	46.954	ug/l	99
61) 1,2-Dibromoethane	11.238	107	160257	48.654	ug/l	99
64) Tetrachloroethene	10.873	164	190211	46.432	ug/l	98
65) Chlorobenzene	11.661	112	617254	47.887	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	241629	47.404	ug/l	98
67) Ethyl Benzene	11.738	91	1134986	49.301	ug/l	99
68) m/p-Xylenes	11.844	106	867293	99.212	ug/l	99
69) o-Xylene	12.173	106	413377	49.437	ug/l	97
70) Styrene	12.185	104	717175	49.117	ug/l	99
71) Bromoform	12.349	173	123049	45.192	ug/l #	98
73) Isopropylbenzene	12.473	105	1128404	49.827	ug/l	99
74) N-amyl acetate	12.279	43	259116	53.243	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	191155	47.196	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	158524m	50.287	ug/l	
77) Bromobenzene	12.749	156	247076	48.474	ug/l	95
78) n-propylbenzene	12.808	91	1377256	50.069	ug/l	99
79) 2-Chlorotoluene	12.897	91	787435	49.505	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	947854	48.719	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	64404	50.690	ug/l	91
82) 4-Chlorotoluene	12.997	91	814558	49.459	ug/l	100
83) tert-Butylbenzene	13.214	119	827501	48.514	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	941982	49.139	ug/l	100
85) sec-Butylbenzene	13.391	105	1236535	48.274	ug/l	99
86) p-Isopropyltoluene	13.508	119	1032821	49.000	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	511208	47.855	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	505721	47.741	ug/l	99
89) n-Butylbenzene	13.832	91	986244	49.090	ug/l	98
90) Hexachloroethane	14.102	117	194924	47.184	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	437534	46.977	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	30881	47.775	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	284391	46.121	ug/l	99
94) Hexachlorobutadiene	15.255	225	157198	43.826	ug/l	99
95) Naphthalene	15.385	128	534988	50.331	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	244994	45.901	ug/l	100

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

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