

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072614.D
 Acq On : 19 Apr 2022 10:06
 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 :Krupa
 Patel

04/20/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Apr 19 16:10:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	348940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	557808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	525802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	280508	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	188096	44.561	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.120%
35) Dibromofluoromethane	7.909	113	215524	49.718	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.440%
50) Toluene-d8	10.332	98	729346	48.402	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.800%
62) 4-Bromofluorobenzene	12.620	95	284711	48.380	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.760%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	133278	48.127	ug/l	99
3) Chloromethane	2.209	50	128436	50.142	ug/l	95
4) Vinyl Chloride	2.350	62	137938	46.912	ug/l	99
5) Bromomethane	2.768	94	102525	51.943	ug/l	93
6) Chloroethane	2.921	64	98455	52.187	ug/l	98
7) Trichlorofluoromethane	3.273	101	318682	53.017	ug/l	97
8) Diethyl Ether	3.709	74	85994	48.141	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.097	101	204274	50.957	ug/l	97
10) Methyl Iodide	4.297	142	166074	44.859	ug/l	99
11) Tert butyl alcohol	5.203	59	88428	396.693	ug/l #	85
12) 1,1-Dichloroethene	4.068	96	162196	51.752	ug/l	86
13) Acrolein	3.920	56	14569	147.280	ug/l	96
14) Allyl chloride	4.715	41	254034	46.245	ug/l #	90
15) Acrylonitrile	5.415	53	211595	236.861	ug/l	97
16) Acetone	4.156	43	204501	259.817	ug/l #	89
17) Carbon Disulfide	4.409	76	325889	48.156	ug/l	99
18) Methyl Acetate	4.709	43	89380	40.308	ug/l #	88
19) Methyl tert-butyl Ether	5.479	73	457428	50.004	ug/l	97
20) Methylene Chloride	4.962	84	227135	48.473	ug/l	85
21) trans-1,2-Dichloroethene	5.467	96	191983	50.184	ug/l	88
22) Diisopropyl ether	6.356	45	637465	50.624	ug/l #	93
23) Vinyl Acetate	6.303	43	1618575	239.260	ug/l #	90
24) 1,1-Dichloroethane	6.262	63	388853	51.247	ug/l	99
25) 2-Butanone	7.203	43	267084	245.352	ug/l #	88
26) 2,2-Dichloropropane	7.203	77	353038	52.382	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	246217	51.742	ug/l	90
28) Bromochloromethane	7.544	49	157162	48.340	ug/l #	73
29) Tetrahydrofuran	7.561	42	154936	235.744	ug/l #	87
30) Chloroform	7.709	83	442613	51.855	ug/l	93
31) Cyclohexane	7.979	56	277519	50.281	ug/l	86
32) 1,1,1-Trichloroethane	7.897	97	378532	52.287	ug/l	96
36) 1,1-Dichloropropene	8.108	75	281126	50.731	ug/l	95
37) Ethyl Acetate	7.291	43	113288	49.321	ug/l #	93
38) Carbon Tetrachloride	8.097	117	327857	54.898	ug/l	98
39) Methylcyclohexane	9.350	83	303707	47.243	ug/l	96
40) Benzene	8.344	78	847109	55.954	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.514	41	59346	44.401	ug/l	#	77
42) 1,2-Dichloroethane	8.414	62	246006	53.163	ug/l		95
43) Isopropyl Acetate	8.444	43	220982	50.155	ug/l	#	90
44) Trichloroethene	9.108	130	236929	55.125	ug/l		92
45) 1,2-Dichloropropane	9.379	63	223811	53.144	ug/l		100
46) Dibromomethane	9.467	93	119529	54.097	ug/l		95
47) Bromodichloromethane	9.655	83	339906	53.548	ug/l		97
48) Methyl methacrylate	9.450	41	99479	46.505	ug/l	#	79
49) 1,4-Dioxane	9.455	88	28238	1074.371	ug/l		92
51) 4-Methyl-2-Pentanone	10.220	43	602774	254.963	ug/l		91
52) Toluene	10.397	92	575858	57.256	ug/l		96
53) t-1,3-Dichloropropene	10.614	75	300433	54.314	ug/l		97
54) cis-1,3-Dichloropropene	10.079	75	350630	53.614	ug/l	#	86
55) 1,1,2-Trichloroethane	10.791	97	177319	52.936	ug/l		98
56) Ethyl methacrylate	10.655	69	203098	49.328	ug/l	#	81
57) 1,3-Dichloropropane	10.938	76	295492	53.360	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.932	63	413538	250.060	ug/l		92
59) 2-Hexanone	10.973	43	429346	267.060	ug/l		92
60) Dibromochloromethane	11.132	129	236082	54.637	ug/l		99
61) 1,2-Dibromoethane	11.238	107	160497	53.965	ug/l		96
64) Tetrachloroethene	10.867	164	191542	55.756	ug/l		94
65) Chlorobenzene	11.661	112	633350	53.876	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.732	131	253772	53.995	ug/l		99
67) Ethyl Benzene	11.738	91	1121706	54.685	ug/l		99
68) m/p-Xylenes	11.844	106	867990	111.539	ug/l		99
69) o-Xylene	12.173	106	420643	56.024	ug/l		93
70) Styrene	12.185	104	739502	55.885	ug/l		97
71) Bromoform	12.355	173	131748	52.878	ug/l	#	99
73) Isopropylbenzene	12.467	105	1155970	51.027	ug/l		99
74) N-amyl acetate	12.279	43	219951	46.273	ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	200180	46.652	ug/l		99
76) 1,2,3-Trichloropropane	12.773	75	154715m	50.570	ug/l		
77) Bromobenzene	12.749	156	262323	51.662	ug/l		88
78) n-propylbenzene	12.808	91	1393611	50.994	ug/l		98
79) 2-Chlorotoluene	12.896	91	805513	50.400	ug/l		98
80) 1,3,5-Trimethylbenzene	12.949	105	983710	50.701	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.520	75	62440	50.080	ug/l		86
82) 4-Chlorotoluene	12.996	91	830454	49.891	ug/l		98
83) tert-Butylbenzene	13.214	119	851806	50.713	ug/l		96
84) 1,2,4-Trimethylbenzene	13.255	105	980095	51.658	ug/l		100
85) sec-Butylbenzene	13.391	105	1288357	50.922	ug/l		99
86) p-Isopropyltoluene	13.502	119	1071701	51.823	ug/l		99
87) 1,3-Dichlorobenzene	13.502	146	538363	51.168	ug/l		99
88) 1,4-Dichlorobenzene	13.585	146	530445	50.021	ug/l		99
89) n-Butylbenzene	13.832	91	1011882	51.364	ug/l		99
90) Hexachloroethane	14.096	117	215712	50.953	ug/l		100
91) 1,2-Dichlorobenzene	13.873	146	471331	50.790	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	32786	51.664	ug/l		95
93) 1,2,4-Trichlorobenzene	15.143	180	288238	50.109	ug/l		99
94) Hexachlorobutadiene	15.249	225	162902	50.559	ug/l		98
95) Naphthalene	15.385	128	509179	45.556	ug/l		99
96) 1,2,3-Trichlorobenzene	15.579	180	258213	51.433	ug/l		98

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

