

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
 Data File : VD072420.D
 Acq On : 25 Mar 2022 10:25
 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 :Mahesh Dadoda 03/29/2022
 Supervised By :Semsettin Yesilyurt 03/29/2022

Quant Time: Mar 26 00:07:11 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

03/29/2022
 Supervised By :Semsettin
 Yesilyurt

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	402459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	642448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	602753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	297545	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	222050	49.508	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.020%
35) Dibromofluoromethane	7.914	113	213409	47.204	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.400%
50) Toluene-d8	10.332	98	781656	47.284	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.560%
62) 4-Bromofluorobenzene	12.626	95	302936	47.163	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.320%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	160722	43.176	ug/l	97
3) Chloromethane	2.209	50	182599	55.202	ug/l	99
4) Vinyl Chloride	2.350	62	184657	57.832	ug/l	98
5) Bromomethane	2.762	94	120936	58.165	ug/l	98
6) Chloroethane	2.920	64	128898	61.058	ug/l	96
7) Trichlorofluoromethane	3.273	101	352943	48.947	ug/l	98
8) Diethyl Ether	3.709	74	104067	52.256	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	223378	48.584	ug/l	98
10) Methyl Iodide	4.297	142	190111	46.325	ug/l	98
11) Tert butyl alcohol	5.220	59	65069	250.212	ug/l	98
12) 1,1-Dichloroethene	4.067	96	188276	50.901	ug/l	94
13) Acrolein	3.920	56	46870	201.979	ug/l	98
14) Allyl chloride	4.714	41	356083	55.060	ug/l	95
15) Acrylonitrile	5.414	53	272926	271.607	ug/l	99
16) Acetone	4.150	43	249317	256.019	ug/l	98
17) Carbon Disulfide	4.409	76	418895	48.600	ug/l	98
18) Methyl Acetate	4.714	43	122555	51.354	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	529642	52.682	ug/l	100
20) Methylene Chloride	4.961	84	242611	50.384	ug/l	93
21) trans-1,2-Dichloroethene	5.467	96	217765	53.228	ug/l	96
22) Diisopropyl ether	6.361	45	822359	55.749	ug/l	95
23) Vinyl Acetate	6.303	43	2195593	291.649	ug/l	97
24) 1,1-Dichloroethane	6.261	63	462585	53.174	ug/l	99
25) 2-Butanone	7.203	43	354396	272.946	ug/l	96
26) 2,2-Dichloropropane	7.203	77	397060	50.585	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	273711	52.403	ug/l	97
28) Bromochloromethane	7.544	49	201819	57.626	ug/l	93
29) Tetrahydrofuran	7.555	42	215208	281.877	ug/l	96
30) Chloroform	7.708	83	484206	52.246	ug/l	96
31) Cyclohexane	7.985	56	361746	51.623	ug/l	94
32) 1,1,1-Trichloroethane	7.902	97	413640	50.252	ug/l	98
36) 1,1-Dichloropropene	8.108	75	331218	52.224	ug/l	99
37) Ethyl Acetate	7.291	43	147642	53.143	ug/l	96
38) Carbon Tetrachloride	8.091	117	353770	49.071	ug/l	98
39) Methylcyclohexane	9.349	83	370913	51.971	ug/l	99
40) Benzene	8.350	78	955570	52.812	ug/l	97

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Supervised By :Semsettin
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03/29/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	80902m	49.961	ug/l	
42) 1,2-Dichloroethane	8.420	62	292319	53.257	ug/l	97
43) Isopropyl Acetate	8.450	43	297086	55.094	ug/l	96
44) Trichloroethene	9.108	130	250286	49.273	ug/l	95
45) 1,2-Dichloropropane	9.385	63	264251	53.252	ug/l	95
46) Dibromomethane	9.467	93	133956	54.878	ug/l	96
47) Bromodichloromethane	9.655	83	369538	51.930	ug/l	99
48) Methyl methacrylate	9.449	41	153333	59.552	ug/l	95
49) 1,4-Dioxane	9.455	88	31309	1069.608	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	790861	279.240	ug/l	96
52) Toluene	10.397	92	621116	52.167	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	342207	52.635	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	397877	52.938	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	196395	52.816	ug/l	99
56) Ethyl methacrylate	10.655	69	242533	55.686	ug/l	94
57) 1,3-Dichloropropane	10.938	76	335659	53.785	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	520771	265.929	ug/l	98
59) 2-Hexanone	10.979	43	562737	287.682	ug/l	98
60) Dibromochloromethane	11.132	129	240913	49.929	ug/l	100
61) 1,2-Dibromoethane	11.238	107	174747	52.007	ug/l	98
64) Tetrachloroethene	10.873	164	204716	48.204	ug/l	95
65) Chlorobenzene	11.661	112	679238	50.831	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	262803	49.734	ug/l	99
67) Ethyl Benzene	11.738	91	1221442	51.178	ug/l	98
68) m/p-Xylenes	11.843	106	935827	103.263	ug/l	99
69) o-Xylene	12.173	106	444580	51.287	ug/l	98
70) Styrene	12.185	104	777223	51.346	ug/l	99
71) Bromoform	12.349	173	137253	48.625	ug/l #	99
73) Isopropylbenzene	12.473	105	1221509	51.805	ug/l	99
74) N-amyl acetate	12.279	43	293904	58.002	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	218000	51.695	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	174036m	53.024	ug/l	
77) Bromobenzene	12.749	156	272112	51.274	ug/l	95
78) n-propylbenzene	12.808	91	1488857	51.985	ug/l	99
79) 2-Chlorotoluene	12.896	91	856448	51.715	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1030648	50.880	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	67615	51.112	ug/l	96
82) 4-Chlorotoluene	12.996	91	883191	51.505	ug/l	100
83) tert-Butylbenzene	13.214	119	896415	50.476	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1001771	50.191	ug/l	98
85) sec-Butylbenzene	13.390	105	1342452	50.336	ug/l	99
86) p-Isopropyltoluene	13.502	119	1115668	50.837	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	552432	49.668	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	534006	48.417	ug/l	99
89) n-Butylbenzene	13.832	91	1061344	50.738	ug/l	99
90) Hexachloroethane	14.096	117	211470	49.165	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	483180	49.826	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	34016	50.543	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	306241	47.700	ug/l	98
94) Hexachlorobutadiene	15.255	225	168862	45.216	ug/l	99
95) Naphthalene	15.384	128	546720	49.401	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	260372	46.853	ug/l	100

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

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