

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050422\
 Data File : VD072778.D
 Acq On : 04 May 2022 09:39
 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 :Semsettin Yesilyurt 05/05/2022
 Supervised By :Mahesh Dadoda 05/05/2022

Quant Time: May 04 14:09:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	311762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	503946	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	489041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	243223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	192782	47.637	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.280%		
35) Dibromofluoromethane	7.909	113	182769	51.640	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.280%		
50) Toluene-d8	10.332	98	658233	51.847	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.700%		
62) 4-Bromofluorobenzene	12.620	95	245371	51.833	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	177904	41.295	ug/l	98
3) Chloromethane	2.209	50	182677	40.773	ug/l	99
4) Vinyl Chloride	2.350	62	176083	43.799	ug/l	98
5) Bromomethane	2.762	94	117102	47.270	ug/l	100
6) Chloroethane	2.915	64	109569	43.730	ug/l	98
7) Trichlorofluoromethane	3.273	101	305149	43.346	ug/l	97
8) Diethyl Ether	3.709	74	94594	46.869	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	182001	43.546	ug/l	97
10) Methyl Iodide	4.297	142	177482	42.314	ug/l	99
11) Tert butyl alcohol	5.209	59	77368	220.962	ug/l	97
12) 1,1-Dichloroethene	4.068	96	164549	43.772	ug/l	94
13) Acrolein	3.926	56	65162	269.462	ug/l	99
14) Allyl chloride	4.709	41	275626	45.413	ug/l	94
15) Acrylonitrile	5.415	53	233006	242.926	ug/l	98
16) Acetone	4.150	43	224816	299.565	ug/l	94
17) Carbon Disulfide	4.403	76	512916	43.393	ug/l	100
18) Methyl Acetate	4.715	43	105971	48.113	ug/l	92
19) Methyl tert-butyl Ether	5.473	73	441252	48.962	ug/l	100
20) Methylene Chloride	4.956	84	210321	42.506	ug/l	85
21) trans-1,2-Dichloroethene	5.468	96	196020	45.466	ug/l	89
22) Diisopropyl ether	6.362	45	634333	47.511	ug/l	92
23) Vinyl Acetate	6.303	43	1849422	250.756	ug/l	96
24) 1,1-Dichloroethane	6.256	63	354714	44.221	ug/l	98
25) 2-Butanone	7.209	43	304867	258.550	ug/l	95
26) 2,2-Dichloropropane	7.203	77	301709	44.492	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	224682	45.501	ug/l	94
28) Bromochloromethane	7.538	49	164470	54.983	ug/l	87
29) Tetrahydrofuran	7.556	42	190411	253.344	ug/l	94
30) Chloroform	7.703	83	381898	44.995	ug/l	97
31) Cyclohexane	7.979	56	297572	42.063	ug/l	92
32) 1,1,1-Trichloroethane	7.897	97	320126	44.255	ug/l	97
36) 1,1-Dichloropropene	8.103	75	271059	47.100	ug/l	97
37) Ethyl Acetate	7.285	43	136505	51.598	ug/l	98
38) Carbon Tetrachloride	8.091	117	282074	47.217	ug/l	99
39) Methylcyclohexane	9.350	83	306311	45.887	ug/l	95
40) Benzene	8.344	78	792818	47.705	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	82416	52.319	ug/l	93
42) 1,2-Dichloroethane	8.414	62	247134	49.346	ug/l	98
43) Isopropyl Acetate	8.444	43	246972	50.578	ug/l #	95
44) Trichloroethene	9.108	130	207403	46.647	ug/l	93
45) 1,2-Dichloropropane	9.379	63	209963	48.106	ug/l	96
46) Dibromomethane	9.467	93	118675	49.292	ug/l	97
47) Bromodichloromethane	9.656	83	300253	48.478	ug/l	96
48) Methyl methacrylate	9.444	41	127309	53.294	ug/l	92
49) 1,4-Dioxane	9.450	88	28556	1053.284	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	685152	270.026	ug/l	96
52) Toluene	10.397	92	510482	49.240	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	288926	50.787	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	334088	50.547	ug/l	91
55) 1,1,2-Trichloroethane	10.791	97	168439	51.753	ug/l	95
56) Ethyl methacrylate	10.650	69	202506	52.844	ug/l	90
57) 1,3-Dichloropropane	10.938	76	282708	50.617	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	557022	299.804	ug/l	97
59) 2-Hexanone	10.973	43	489689	286.812	ug/l	96
60) Dibromochloromethane	11.132	129	205959	50.268	ug/l	98
61) 1,2-Dibromoethane	11.232	107	159907	50.477	ug/l	99
64) Tetrachloroethene	10.867	164	166905	46.681	ug/l	98
65) Chlorobenzene	11.661	112	540586	47.792	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	205572	48.359	ug/l	99
67) Ethyl Benzene	11.738	91	947850	48.420	ug/l	99
68) m/p-Xylenes	11.844	106	746077	98.943	ug/l	99
69) o-Xylene	12.167	106	343204	48.734	ug/l	98
70) Styrene	12.185	104	623401	51.092	ug/l	97
71) Bromoform	12.350	173	120658	52.372	ug/l #	98
73) Isopropylbenzene	12.467	105	900289	47.575	ug/l	100
74) N-amyl acetate	12.273	43	244072	51.792	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	192133	50.298	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	140594m	51.840	ug/l	
77) Bromobenzene	12.749	156	219366	48.817	ug/l	95
78) n-propylbenzene	12.808	91	1126532	47.234	ug/l	99
79) 2-Chlorotoluene	12.897	91	657496	47.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	774968	48.297	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	60670	51.442	ug/l	89
82) 4-Chlorotoluene	12.991	91	698365	47.975	ug/l	100
83) tert-Butylbenzene	13.208	119	617963	45.300	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	768359	47.906	ug/l	98
85) sec-Butylbenzene	13.385	105	970000	47.145	ug/l	100
86) p-Isopropyltoluene	13.502	119	798699	47.347	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	436182	48.184	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	426691	47.333	ug/l	99
89) n-Butylbenzene	13.826	91	768582	47.033	ug/l	99
90) Hexachloroethane	14.096	117	159363	46.114	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	382191	48.444	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	30027	49.588	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	224849	48.124	ug/l	98
94) Hexachlorobutadiene	15.249	225	112139	43.947	ug/l	97
95) Naphthalene	15.385	128	447114	52.049	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	205915	49.717	ug/l	99

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

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