

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021622\
 Data File : VD072003.D
 Acq On : 16 Feb 2022 20:40
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022
 Supervised By :Mahesh Dadoda 02/18/2022

Quant Time: Feb 17 00:52:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	283409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	491994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	478879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	245642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	198660	55.458	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.920%			
35) Dibromofluoromethane	7.914	113	175002	54.113	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.220%			
50) Toluene-d8	10.338	98	616121	51.012	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.020%			
62) 4-Bromofluorobenzene	12.626	95	230656	54.687	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	156104	46.449	ug/l	97
3) Chloromethane	2.215	50	210327	52.272	ug/l	95
4) Vinyl Chloride	2.350	62	241631	57.360	ug/l	96
5) Bromomethane	2.768	94	163465	58.812	ug/l	98
6) Chloroethane	2.921	64	164336	61.558	ug/l	98
7) Trichlorofluoromethane	3.274	101	306193	50.719	ug/l	100
8) Diethyl Ether	3.709	74	88335	55.454	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	175839	51.628	ug/l	98
10) Methyl Iodide	4.303	142	183209	52.471	ug/l	99
11) Tert butyl alcohol	5.215	59	53531	251.020	ug/l #	89
12) 1,1-Dichloroethene	4.068	96	158875	51.026	ug/l	93
13) Acrolein	3.926	56	63887	200.798	ug/l	99
14) Allyl chloride	4.715	41	338425	57.022	ug/l	98
15) Acrylonitrile	5.420	53	250101	308.922	ug/l	99
16) Acetone	4.156	43	247412	252.312	ug/l	99
17) Carbon Disulfide	4.415	76	492001	45.317	ug/l	98
18) Methyl Acetate	4.721	43	117009	55.191	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	447247	60.044	ug/l	99
20) Methylene Chloride	4.968	84	202268	57.039	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	193449	53.369	ug/l	92
22) Diisopropyl ether	6.367	45	728587	62.634	ug/l	95
23) Vinyl Acetate	6.309	43	2089888	325.675	ug/l	99
24) 1,1-Dichloroethane	6.262	63	394948	58.251	ug/l	98
25) 2-Butanone	7.209	43	340168	297.575	ug/l	96
26) 2,2-Dichloropropane	7.209	77	310959	55.422	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	226777	58.250	ug/l	99
28) Bromochloromethane	7.544	49	136539	53.392	ug/l	96
29) Tetrahydrofuran	7.562	42	216532	320.134	ug/l	96
30) Chloroform	7.709	83	396546	57.248	ug/l	96
31) Cyclohexane	7.985	56	345921	50.583	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	341865	55.955	ug/l	97
36) 1,1-Dichloropropene	8.109	75	294815	53.113	ug/l	99
37) Ethyl Acetate	7.291	43	153829	59.608	ug/l	99
38) Carbon Tetrachloride	8.097	117	291857	53.169	ug/l	99
39) Methylcyclohexane	9.350	83	335348	52.141	ug/l	95
40) Benzene	8.350	78	826643	55.171	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	70129	48.034	ug/l #	74
42) 1,2-Dichloroethane	8.420	62	273716	57.852	ug/l	99
43) Isopropyl Acetate	8.450	43	289823	62.485	ug/l	99
44) Trichloroethene	9.108	130	200278	51.769	ug/l	92
45) 1,2-Dichloropropane	9.385	63	221540	57.343	ug/l	95
46) Dibromomethane	9.473	93	118598	58.627	ug/l	97
47) Bromodichloromethane	9.656	83	306342	57.260	ug/l	97
48) Methyl methacrylate	9.456	41	148650	60.557	ug/l	96
49) 1,4-Dioxane	9.456	88	25019	1083.568	ug/l #	89
51) 4-Methyl-2-Pentanone	10.220	43	767211	316.083	ug/l	99
52) Toluene	10.397	92	528219	56.693	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	268105	54.563	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	312605	54.274	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	153155	57.046	ug/l	97
56) Ethyl methacrylate	10.655	69	200347	60.272	ug/l	97
57) 1,3-Dichloropropane	10.938	76	281378	58.706	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	437271	279.441	ug/l	98
59) 2-Hexanone	10.979	43	525895	298.514	ug/l	96
60) Dibromochloromethane	11.132	129	189700	57.219	ug/l	100
61) 1,2-Dibromoethane	11.244	107	146836	56.766	ug/l	100
64) Tetrachloroethene	10.873	164	163843	48.369	ug/l	92
65) Chlorobenzene	11.661	112	541501	53.450	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	204333	55.440	ug/l	98
67) Ethyl Benzene	11.738	91	1026956	55.089	ug/l	98
68) m/p-Xylenes	11.844	106	780412	110.064	ug/l	98
69) o-Xylene	12.173	106	367300	57.002	ug/l	100
70) Styrene	12.185	104	634299	57.110	ug/l	99
71) Bromoform	12.350	173	108618	55.196	ug/l #	98
73) Isopropylbenzene	12.473	105	966923	50.834	ug/l	100
74) N-amyl acetate	12.279	43	275974	58.997	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	183568	52.150	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	123619m	47.752	ug/l	
77) Bromobenzene	12.749	156	206905	48.900	ug/l	99
78) n-propylbenzene	12.808	91	1226249	51.413	ug/l	99
79) 2-Chlorotoluene	12.897	91	684302	50.629	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	814614	51.633	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	44343	42.116	ug/l	95
82) 4-Chlorotoluene	12.997	91	705657	50.182	ug/l	98
83) tert-Butylbenzene	13.214	119	678296	51.876	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	814556	52.486	ug/l	100
85) sec-Butylbenzene	13.391	105	1055091	51.571	ug/l	100
86) p-Isopropyltoluene	13.502	119	878490	52.841	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	431463	50.217	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	422341	49.254	ug/l	99
89) n-Butylbenzene	13.832	91	845884	51.859	ug/l	99
90) Hexachloroethane	14.102	117	165151	49.976	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	368470	50.114	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	28201	48.376	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	210251	48.950	ug/l	99
94) Hexachlorobutadiene	15.249	225	110990	47.390	ug/l	99
95) Naphthalene	15.385	128	452075	52.892	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	185436	50.368	ug/l	98

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

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