

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042022\
 Data File : VD072642.D
 Acq On : 20 Apr 2022 12:50
 Operator : VA/SY
 Sample : VD0420SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0420SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/21/2022
 Supervised By :Mahesh Dadoda 04/21/2022

Quant Time: Apr 20 14:48:42 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	349732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	574187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	546299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	277108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	204002	48.220	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.440%		
35) Dibromofluoromethane	7.908	113	220443	49.402	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.800%		
50) Toluene-d8	10.332	98	744333	47.987	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.980%		
62) 4-Bromofluorobenzene	12.620	95	301026	49.693	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	51848	18.680	ug/l	96
3) Chloromethane	2.209	50	46890	18.265	ug/l	98
4) Vinyl Chloride	2.350	62	52374	18.362	ug/l	97
5) Bromomethane	2.744	94	39167	19.798	ug/l	99
6) Chloroethane	2.915	64	37453	19.807	ug/l	94
7) Trichlorofluoromethane	3.267	101	133157	22.102	ug/l	98
8) Diethyl Ether	3.709	74	36792	20.550	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.091	101	91247	22.710	ug/l	95
10) Methyl Iodide	4.297	142	57007	17.817	ug/l	98
11) Tert butyl alcohol	5.191	59	58907	263.662	ug/l #	74
12) 1,1-Dichloroethene	4.067	96	65263	20.776	ug/l	82
13) Acrolein	3.920	56	9616	96.989	ug/l	96
14) Allyl chloride	4.709	41	105418	19.807	ug/l #	90
15) Acrylonitrile	5.414	53	102479	114.456	ug/l	97
16) Acetone	4.150	43	77679	98.467	ug/l	95
17) Carbon Disulfide	4.409	76	78654	14.349	ug/l	100
18) Methyl Acetate	4.714	43	59835	26.923	ug/l #	88
19) Methyl tert-butyl Ether	5.473	73	209895	22.893	ug/l	98
20) Methylene Chloride	4.967	84	118075	25.141	ug/l #	82
21) trans-1,2-Dichloroethene	5.473	96	69511	18.610	ug/l	86
22) Diisopropyl ether	6.361	45	289977	22.976	ug/l #	93
23) Vinyl Acetate	6.303	43	652024	99.926	ug/l	96
24) 1,1-Dichloroethane	6.267	63	174372	22.928	ug/l	99
25) 2-Butanone	7.214	43	120163	110.135	ug/l	92
26) 2,2-Dichloropropane	7.208	77	162044	23.989	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	105313	22.081	ug/l	91
28) Bromochloromethane	7.544	49	69898	21.450	ug/l #	76
29) Tetrahydrofuran	7.555	42	72005	109.312	ug/l	90
30) Chloroform	7.708	83	204361	23.888	ug/l	98
31) Cyclohexane	7.985	56	100188	18.111	ug/l #	84
32) 1,1,1-Trichloroethane	7.897	97	172354	23.754	ug/l	96
36) 1,1-Dichloropropene	8.108	75	108702	19.758	ug/l	96
37) Ethyl Acetate	7.291	43	54158	22.906	ug/l #	77
38) Carbon Tetrachloride	8.097	117	141193	22.968	ug/l	99
39) Methylcyclohexane	9.350	83	108118	18.220	ug/l	95
40) Benzene	8.350	78	342316	21.966	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	31359m	23.600	ug/l	
42) 1,2-Dichloroethane	8.420	62	109310	22.949	ug/l	98
43) Isopropyl Acetate	8.450	43	107339	23.667	ug/l #	93
44) Trichloroethene	9.108	130	96211	21.746	ug/l	94
45) 1,2-Dichloropropane	9.379	63	102503	23.645	ug/l	93
46) Dibromomethane	9.467	93	53213	23.397	ug/l	97
47) Bromodichloromethane	9.655	83	156167	23.900	ug/l #	99
48) Methyl methacrylate	9.450	41	49481	22.472	ug/l #	88
49) 1,4-Dioxane	9.455	88	12364	456.994	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	296273	121.744	ug/l	92
52) Toluene	10.397	92	234379	22.639	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	131548	23.103	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	153277	22.769	ug/l #	86
55) 1,1,2-Trichloroethane	10.791	97	86735	25.155	ug/l	97
56) Ethyl methacrylate	10.655	69	88418	21.549	ug/l #	83
57) 1,3-Dichloropropane	10.938	76	132605	23.263	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	197263	115.879	ug/l	94
59) 2-Hexanone	10.979	43	186937	112.961	ug/l	92
60) Dibromochloromethane	11.132	129	108402	24.372	ug/l	100
61) 1,2-Dibromoethane	11.238	107	70449	23.012	ug/l	98
64) Tetrachloroethene	10.867	164	77440	21.696	ug/l	99
65) Chlorobenzene	11.661	112	273357	22.381	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	118346	24.236	ug/l	99
67) Ethyl Benzene	11.738	91	469633	22.036	ug/l	99
68) m/p-Xylenes	11.844	106	362813	44.873	ug/l	98
69) o-Xylene	12.167	106	175741	22.528	ug/l	97
70) Styrene	12.185	104	320181	23.288	ug/l	97
71) Bromoform	12.349	173	63481	24.523	ug/l #	100
73) Isopropylbenzene	12.467	105	504438	22.540	ug/l	99
74) N-amyl acetate	12.279	43	103157	21.969	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.720	83	102087	24.083	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	74374m	24.608	ug/l	
77) Bromobenzene	12.749	156	113378	22.603	ug/l	95
78) n-propylbenzene	12.808	91	626756	23.215	ug/l	98
79) 2-Chlorotoluene	12.896	91	364486	23.085	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	443317	23.129	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	28873	23.442	ug/l	88
82) 4-Chlorotoluene	12.996	91	379018	23.049	ug/l	99
83) tert-Butylbenzene	13.214	119	389465	23.472	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	438208	23.380	ug/l	99
85) sec-Butylbenzene	13.390	105	593776	23.757	ug/l	99
86) p-Isopropyltoluene	13.502	119	482356	23.611	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	248598	23.917	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	244091	23.300	ug/l	99
89) n-Butylbenzene	13.826	91	460772	23.676	ug/l	99
90) Hexachloroethane	14.096	117	103434	24.732	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	219724	23.968	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	15670	24.996	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	134199	23.616	ug/l	98
94) Hexachlorobutadiene	15.249	225	76980	24.185	ug/l	97
95) Naphthalene	15.384	128	233757	21.171	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	116696	23.530	ug/l	99

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

