

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123021\
 Data File : VD071540.D
 Acq On : 30 Dec 2021 11:01
 Operator : VA/SY
 Sample : VD1230SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/31/2021
 Supervised By : Mahesh Dadoda 01/02/2022

Quant Time: Dec 30 15:28:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	292080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	494952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	464258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	224979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	215392	55.527	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.060%			
35) Dibromofluoromethane	7.914	113	180984	54.407	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.820%			
50) Toluene-d8	10.332	98	672258	53.478	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.960%			
62) 4-Bromofluorobenzene	12.626	95	243880	54.596	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	58960	19.265	ug/l	94
3) Chloromethane	2.215	50	82521	21.057	ug/l	96
4) Vinyl Chloride	2.350	62	93181	19.841	ug/l	95
5) Bromomethane	2.762	94	64479	19.626	ug/l	100
6) Chloroethane	2.915	64	65204	20.921	ug/l	89
7) Trichlorofluoromethane	3.273	101	120072	20.885	ug/l	99
8) Diethyl Ether	3.714	74	33460	20.329	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.097	101	70982	21.222	ug/l	94
10) Methyl Iodide	4.297	142	51196	15.739	ug/l	91
11) Tert butyl alcohol	5.197	59	47685m	142.176	ug/l	
12) 1,1-Dichloroethene	4.073	96	61092	20.076	ug/l	92
13) Acrolein	3.926	56	17794	94.959	ug/l	100
14) Allyl chloride	4.709	41	119833	20.820	ug/l #	78
15) Acrylonitrile	5.414	53	92108	113.636	ug/l	98
16) Acetone	4.156	43	104771	107.530	ug/l #	86
17) Carbon Disulfide	4.409	76	167431	16.887	ug/l	97
18) Methyl Acetate	4.720	43	63702	21.182	ug/l	92
19) Methyl tert-butyl Ether	5.473	73	164394	20.928	ug/l	95
20) Methylene Chloride	4.967	84	92219	21.111	ug/l #	85
21) trans-1,2-Dichloroethene	5.473	96	68833	19.530	ug/l #	77
22) Diisopropyl ether	6.367	45	254402	21.712	ug/l	92
23) Vinyl Acetate	6.303	43	640520	106.042	ug/l	97
24) 1,1-Dichloroethane	6.261	63	143006	21.290	ug/l	99
25) 2-Butanone	7.208	43	125138	107.525	ug/l #	88
26) 2,2-Dichloropropane	7.208	77	119864	21.717	ug/l	94
27) cis-1,2-Dichloroethene	7.208	96	81007	20.779	ug/l	89
28) Bromochloromethane	7.538	49	60483	21.973	ug/l	83
29) Tetrahydrofuran	7.561	42	77778	111.308	ug/l	90
30) Chloroform	7.702	83	144976	21.390	ug/l	100
31) Cyclohexane	7.979	56	127695	19.378	ug/l	98
32) 1,1,1-Trichloroethane	7.897	97	128241	21.334	ug/l #	92
36) 1,1-Dichloropropene	8.108	75	108445	20.406	ug/l	96
37) Ethyl Acetate	7.291	43	55453	22.601	ug/l #	92
38) Carbon Tetrachloride	8.097	117	111152	21.199	ug/l	95
39) Methylcyclohexane	9.355	83	119897	19.273	ug/l	96
40) Benzene	8.350	78	298321	20.881	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	35007	24.021	ug/l #	74
42) 1,2-Dichloroethane	8.420	62	101489	21.785	ug/l	94
43) Isopropyl Acetate	8.450	43	103391	21.234	ug/l #	89
44) Trichloroethene	9.108	130	77222	20.742	ug/l	95
45) 1,2-Dichloropropane	9.385	63	78659	21.218	ug/l	96
46) Dibromomethane	9.467	93	42788	20.891	ug/l	94
47) Bromodichloromethane	9.655	83	111777	21.496	ug/l	96
48) Methyl methacrylate	9.449	41	46820	19.432	ug/l #	80
49) 1,4-Dioxane	9.467	88	9952	429.990	ug/l	90
51) 4-Methyl-2-Pentanone	10.220	43	278454	108.701	ug/l	90
52) Toluene	10.396	92	188527	20.773	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	104218	21.463	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	117290	20.903	ug/l #	79
55) 1,1,2-Trichloroethane	10.796	97	55829	21.475	ug/l	93
56) Ethyl methacrylate	10.655	69	71293	20.839	ug/l #	67
57) 1,3-Dichloropropane	10.938	76	101047	21.220	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	175347	107.000	ug/l	99
59) 2-Hexanone	10.979	43	198445	109.595	ug/l	84
60) Dibromochloromethane	11.132	129	70871	21.686	ug/l	100
61) 1,2-Dibromoethane	11.238	107	54870	21.309	ug/l	98
64) Tetrachloroethene	10.873	164	64544	20.006	ug/l	93
65) Chlorobenzene	11.661	112	198710	20.866	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	75176	21.609	ug/l	97
67) Ethyl Benzene	11.738	91	366482	20.679	ug/l	99
68) m/p-Xylenes	11.849	106	276564	41.074	ug/l	95
69) o-Xylene	12.173	106	129300	21.008	ug/l	96
70) Styrene	12.185	104	226844	21.216	ug/l	98
71) Bromoform	12.349	173	41637	22.117	ug/l #	100
73) Isopropylbenzene	12.473	105	346785	19.993	ug/l	99
74) N-amyl acetate	12.279	43	96070	20.645	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	68259	21.767	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	47457m	17.753	ug/l	
77) Bromobenzene	12.749	156	79941	20.712	ug/l	95
78) n-propylbenzene	12.808	91	446179	20.523	ug/l	100
79) 2-Chlorotoluene	12.896	91	252487	20.781	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	295357	20.645	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	18385	19.433	ug/l #	70
82) 4-Chlorotoluene	12.996	91	262360	20.817	ug/l	97
83) tert-Butylbenzene	13.214	119	252378	20.645	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	295968	20.903	ug/l	98
85) sec-Butylbenzene	13.390	105	382330	20.514	ug/l	100
86) p-Isopropyltoluene	13.508	119	320381	20.718	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	161098	20.726	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	154478	20.268	ug/l	96
89) n-Butylbenzene	13.832	91	317398	20.912	ug/l	97
90) Hexachloroethane	14.096	117	63570	21.700	ug/l	90
91) 1,2-Dichlorobenzene	13.879	146	139913	21.209	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	11771	21.645	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	83637	20.805	ug/l	96
94) Hexachlorobutadiene	15.249	225	44343	20.591	ug/l	97
95) Naphthalene	15.384	128	154710	20.219	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	71183	20.472	ug/l	98

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

