

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040622\
 Data File : VD072546.D
 Acq On : 06 Apr 2022 12:44
 Operator : VA/SY
 Sample : VD0406SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0406SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/07/2022
 Supervised By : Mahesh Dadoda 04/07/2022

Quant Time: Apr 07 01:10:20 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	373715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	601477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	570780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	291193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	243051	53.763	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.520%			
35) Dibromofluoromethane	7.909	113	260120	55.649	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.300%			
50) Toluene-d8	10.332	98	899601	55.366	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.740%			
62) 4-Bromofluorobenzene	12.620	95	350789	55.280	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	56465	19.038	ug/l	97
3) Chloromethane	2.209	50	51504	18.774	ug/l #	86
4) Vinyl Chloride	2.350	62	53389	17.560	ug/l	96
5) Bromomethane	2.750	94	37168	17.582	ug/l	99
6) Chloroethane	2.915	64	39168	19.385	ug/l	96
7) Trichlorofluoromethane	3.273	101	135927	21.114	ug/l	93
8) Diethyl Ether	3.709	74	40665	21.256	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.097	101	92614	21.571	ug/l	96
10) Methyl Iodide	4.297	142	59541	17.499	ug/l	97
11) Tert butyl alcohol	5.220	59	31653	132.584	ug/l	99
12) 1,1-Dichloroethene	4.062	96	64553	19.231	ug/l	84
13) Acrolein	3.909	56	12766	120.498	ug/l	96
14) Allyl chloride	4.709	41	109988	19.366	ug/l #	90
15) Acrylonitrile	5.415	53	109061	113.990	ug/l	97
16) Acetone	4.156	43	96667	114.673	ug/l #	86
17) Carbon Disulfide	4.409	76	87029	14.729	ug/l	100
18) Methyl Acetate	4.715	43	62314	26.239	ug/l #	86
19) Methyl tert-butyl Ether	5.479	73	221441	22.602	ug/l	96
20) Methylene Chloride	4.956	84	123871	24.683	ug/l	85
21) trans-1,2-Dichloroethene	5.473	96	71356	17.908	ug/l	88
22) Diisopropyl ether	6.362	45	311761	23.117	ug/l #	92
23) Vinyl Acetate	6.303	43	677751	97.375	ug/l #	95
24) 1,1-Dichloroethane	6.262	63	175636	21.613	ug/l	99
25) 2-Butanone	7.203	43	134555	115.412	ug/l	92
26) 2,2-Dichloropropane	7.203	77	161332	22.351	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	107652	21.123	ug/l	91
28) Bromochloromethane	7.544	49	80443	23.102	ug/l #	77
29) Tetrahydrofuran	7.556	42	76666	108.918	ug/l #	88
30) Chloroform	7.703	83	206179	22.554	ug/l	94
31) Cyclohexane	7.973	56	105452	17.839	ug/l #	82
32) 1,1,1-Trichloroethane	7.897	97	170797	22.028	ug/l	97
36) 1,1-Dichloropropene	8.109	75	115005	19.944	ug/l	97
37) Ethyl Acetate	7.291	43	54097	21.842	ug/l #	92
38) Carbon Tetrachloride	8.091	117	139188	21.614	ug/l	99
39) Methylcyclohexane	9.350	83	120274	19.171	ug/l	95
40) Benzene	8.344	78	343463	21.040	ug/l	98

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41) Methacrylonitrile	7.514	41	27184m	19.816	ug/l	
42) 1,2-Dichloroethane	8.420	62	114945	23.037	ug/l	96
43) Isopropyl Acetate	8.444	43	112918	23.767	ug/l #	91
44) Trichloroethene	9.108	130	99989	21.575	ug/l	93
45) 1,2-Dichloropropane	9.379	63	107033	23.570	ug/l	95
46) Dibromomethane	9.467	93	53546	22.475	ug/l	95
47) Bromodichloromethane	9.656	83	165663	24.203	ug/l	99
48) Methyl methacrylate	9.450	41	53803	23.326	ug/l #	89
49) 1,4-Dioxane	9.456	88	12674	447.198	ug/l #	90
51) 4-Methyl-2-Pentanone	10.220	43	317448	124.526	ug/l	93
52) Toluene	10.397	92	237204	21.872	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	138800	23.271	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	161374	22.884	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	88926	24.620	ug/l	99
56) Ethyl methacrylate	10.655	69	95498	22.182	ug/l #	83
57) 1,3-Dichloropropane	10.938	76	138367	23.172	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	248325	139.256	ug/l	93
59) 2-Hexanone	10.973	43	212804	122.757	ug/l	95
60) Dibromochloromethane	11.132	129	114095	24.488	ug/l	98
61) 1,2-Dibromoethane	11.238	107	75313	23.484	ug/l	99
64) Tetrachloroethene	10.867	164	78326	21.003	ug/l	93
65) Chlorobenzene	11.661	112	281601	22.067	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.732	131	116855	22.904	ug/l	97
67) Ethyl Benzene	11.738	91	479392	21.529	ug/l	98
68) m/p-Xylenes	11.844	106	365080	43.217	ug/l	99
69) o-Xylene	12.173	106	176833	21.696	ug/l	98
70) Styrene	12.185	104	323355	22.511	ug/l	97
71) Bromoform	12.349	173	65009	24.036	ug/l #	99
73) Isopropylbenzene	12.467	105	505991	21.516	ug/l	99
74) N-amyl acetate	12.279	43	112193	22.737	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	104674	23.499	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	62346m	19.631	ug/l	
77) Bromobenzene	12.749	156	115888	21.986	ug/l	93
78) n-propylbenzene	12.808	91	617706	21.773	ug/l	99
79) 2-Chlorotoluene	12.897	91	365223	22.013	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	445483	22.118	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	28423	21.960	ug/l	88
82) 4-Chlorotoluene	12.991	91	382755	22.151	ug/l	99
83) tert-Butylbenzene	13.214	119	396927	22.764	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	440905	22.386	ug/l	99
85) sec-Butylbenzene	13.391	105	596370	22.707	ug/l	100
86) p-Isopropyltoluene	13.502	119	485383	22.610	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	246972	22.612	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	247227	22.458	ug/l	99
89) n-Butylbenzene	13.832	91	457160	22.354	ug/l	100
90) Hexachloroethane	14.096	117	100955	22.972	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	218442	22.675	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	14776	22.429	ug/l	84
93) 1,2,4-Trichlorobenzene	15.149	180	138880	23.258	ug/l	99
94) Hexachlorobutadiene	15.249	225	79759	23.846	ug/l	98
95) Naphthalene	15.385	128	248447	21.413	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	120955	23.209	ug/l	99

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

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