

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030122\
 Data File : VD072134.D
 Acq On : 01 Mar 2022 12:40
 Operator : VA/SY
 Sample : VD0301SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0301SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/02/2022
 Supervised By : Mahesh Dadoda 03/02/2022

Quant Time: Mar 02 06:08:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	463684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	743825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	673066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	333406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	235147	48.889	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.780%		
35) Dibromofluoromethane	7.908	113	231526	51.375	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.740%		
50) Toluene-d8	10.338	98	914695	54.732	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	109.460%		
62) 4-Bromofluorobenzene	12.626	95	317179	51.667	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	85754	19.615	ug/l	98
3) Chloromethane	2.209	50	75016	19.126	ug/l	97
4) Vinyl Chloride	2.350	62	72658	18.410	ug/l	98
5) Bromomethane	2.756	94	46187	17.291	ug/l	96
6) Chloroethane	2.915	64	47264	18.946	ug/l	94
7) Trichlorofluoromethane	3.273	101	151407	19.829	ug/l	94
8) Diethyl Ether	3.715	74	38916	17.878	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.097	101	97533	20.445	ug/l	99
10) Methyl Iodide	4.297	142	73989	16.161	ug/l	99
11) Tert butyl alcohol	5.220	59	24788	90.325	ug/l	100
12) 1,1-Dichloroethene	4.067	96	78449	18.514	ug/l	97
13) Acrolein	3.920	56	36451	67.358	ug/l	97
14) Allyl chloride	4.715	41	131779	17.745	ug/l	97
15) Acrylonitrile	5.420	53	102746	87.335	ug/l	97
16) Acetone	4.156	43	96169	92.517	ug/l	99
17) Carbon Disulfide	4.403	76	155418	13.664	ug/l	100
18) Methyl Acetate	4.715	43	50789	18.510	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	194976	18.915	ug/l	100
20) Methylene Chloride	4.956	84	99912	19.313	ug/l	95
21) trans-1,2-Dichloroethene	5.467	96	83418	17.521	ug/l	95
22) Diisopropyl ether	6.362	45	300676	19.390	ug/l	97
23) Vinyl Acetate	6.303	43	743297	89.759	ug/l	99
24) 1,1-Dichloroethane	6.261	63	176282	19.109	ug/l	98
25) 2-Butanone	7.209	43	127821	88.970	ug/l	97
26) 2,2-Dichloropropane	7.209	77	154916	20.985	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	103425	18.960	ug/l	98
28) Bromochloromethane	7.538	49	73472	18.682	ug/l	97
29) Tetrahydrofuran	7.561	42	74536	81.292	ug/l	97
30) Chloroform	7.708	83	190168	20.077	ug/l	97
31) Cyclohexane	7.979	56	143881	16.936	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	169526	20.798	ug/l	97
36) 1,1-Dichloropropene	8.108	75	129129	18.916	ug/l	99
37) Ethyl Acetate	7.285	43	54641	17.261	ug/l	97
38) Carbon Tetrachloride	8.091	117	145593	20.808	ug/l	95
39) Methylcyclohexane	9.350	83	141894	17.760	ug/l	98
40) Benzene	8.344	78	364289	18.911	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	33824	17.231	ug/l	97
42) 1,2-Dichloroethane	8.420	62	112797	19.521	ug/l	98
43) Isopropyl Acetate	8.444	43	104503	17.728	ug/l	99
44) Trichloroethene	9.108	130	103325	19.680	ug/l	97
45) 1,2-Dichloropropane	9.385	63	99542	19.373	ug/l	100
46) Dibromomethane	9.467	93	49961	18.425	ug/l	96
47) Bromodichloromethane	9.655	83	142252	20.337	ug/l	96
48) Methyl methacrylate	9.450	41	47543	15.966	ug/l #	85
49) 1,4-Dioxane	9.450	88	12041	374.320	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	286919	91.840	ug/l	99
52) Toluene	10.397	92	243291	19.736	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	128448	20.079	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	147900	19.534	ug/l	99
55) 1,1,2-Trichloroethane	10.791	97	72841	19.088	ug/l	93
56) Ethyl methacrylate	10.655	69	85653	18.796	ug/l	95
57) 1,3-Dichloropropane	10.938	76	125173	18.979	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	192829	94.586	ug/l	100
59) 2-Hexanone	10.979	43	194419	91.237	ug/l	98
60) Dibromochloromethane	11.132	129	96936	20.342	ug/l	99
61) 1,2-Dibromoethane	11.238	107	66455	18.224	ug/l	100
64) Tetrachloroethene	10.873	164	86145	20.273	ug/l	99
65) Chlorobenzene	11.661	112	263960	20.235	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	103351	21.347	ug/l	99
67) Ethyl Benzene	11.738	91	479085	20.887	ug/l	99
68) m/p-Xylenes	11.849	106	367953	41.905	ug/l	100
69) o-Xylene	12.173	106	174056	21.072	ug/l	100
70) Styrene	12.185	104	301382	21.261	ug/l	100
71) Bromoform	12.355	173	55037	19.821	ug/l #	96
73) Isopropylbenzene	12.473	105	486146	21.237	ug/l	100
74) N-amyl acetate	12.279	43	101674	18.394	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	82021	18.122	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	69972m	22.156	ug/l	
77) Bromobenzene	12.749	156	107238	20.004	ug/l	96
78) n-propylbenzene	12.814	91	602945	21.429	ug/l	100
79) 2-Chlorotoluene	12.896	91	344271	21.140	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	421197	22.035	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	26505	21.017	ug/l	97
82) 4-Chlorotoluene	12.996	91	355461	20.972	ug/l	99
83) tert-Butylbenzene	13.214	119	361432	22.007	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	417734	22.231	ug/l	100
85) sec-Butylbenzene	13.391	105	557156	22.270	ug/l	99
86) p-Isopropyltoluene	13.508	119	455367	22.130	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	228150	21.054	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	226984	20.846	ug/l	100
89) n-Butylbenzene	13.832	91	436494	22.308	ug/l	99
90) Hexachloroethane	14.102	117	85075	20.597	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	195484	20.571	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	13901	19.716	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	121280	20.777	ug/l	96
94) Hexachlorobutadiene	15.255	225	74426	23.187	ug/l	99
95) Naphthalene	15.385	128	205438	19.387	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	106168	21.086	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

