

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011122\
 Data File : VD071670.D
 Acq On : 11 Jan 2022 12:22
 Operator : VA/SY
 Sample : VD0111SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0111SBS01

Quant Time: Jan 12 04:26:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2022
 Supervised By : Mahesh Dadoda 01/12/2022

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	290684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	494582	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	461843	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	218817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	202605	54.168	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.340%			
35) Dibromofluoromethane	7.914	113	174667	53.438	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.880%			
50) Toluene-d8	10.338	98	660185	53.957	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.920%			
62) 4-Bromofluorobenzene	12.626	95	220729	51.196	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	47477	21.238	ug/l	98
3) Chloromethane	2.215	50	66728	22.532	ug/l	97
4) Vinyl Chloride	2.356	62	76414	21.143	ug/l	95
5) Bromomethane	2.762	94	56817	23.159	ug/l	98
6) Chloroethane	2.921	64	55275	21.461	ug/l	93
7) Trichlorofluoromethane	3.274	101	107703	21.021	ug/l	99
8) Diethyl Ether	3.715	74	29652	22.005	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.109	101	63499	21.204	ug/l	98
10) Methyl Iodide	4.297	142	50737	17.720	ug/l	99
11) Tert butyl alcohol	5.203	59	33519	142.130	ug/l #	81
12) 1,1-Dichloroethene	4.079	96	53489	20.583	ug/l	92
13) Acrolein	3.921	56	34354	94.104	ug/l	91
14) Allyl chloride	4.715	41	105132	20.403	ug/l	98
15) Acrylonitrile	5.420	53	78743	110.573	ug/l	99
16) Acetone	4.156	43	91125	105.525	ug/l	99
17) Carbon Disulfide	4.415	76	135350	21.028	ug/l	99
18) Methyl Acetate	4.721	43	56594	22.591	ug/l	97
19) Methyl tert-butyl Ether	5.485	73	143079	20.858	ug/l	97
20) Methylene Chloride	4.973	84	74849	21.970	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	61654	20.776	ug/l	90
22) Diisopropyl ether	6.367	45	239516	21.587	ug/l	97
23) Vinyl Acetate	6.309	43	557443	107.659	ug/l	100
24) 1,1-Dichloroethane	6.262	63	132644	20.944	ug/l	97
25) 2-Butanone	7.209	43	109988	107.803	ug/l	97
26) 2,2-Dichloropropane	7.215	77	109874	20.660	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	75673	21.604	ug/l	98
28) Bromochloromethane	7.550	49	62112	20.132	ug/l	94
29) Tetrahydrofuran	7.567	42	63539	108.255	ug/l	99
30) Chloroform	7.709	83	138002	21.309	ug/l	99
31) Cyclohexane	7.985	56	112840	21.975	ug/l #	85
32) 1,1,1-Trichloroethane	7.909	97	119226	20.887	ug/l	100
36) 1,1-Dichloropropene	8.114	75	95487	20.480	ug/l	98
37) Ethyl Acetate	7.291	43	45423	20.991	ug/l	98
38) Carbon Tetrachloride	8.097	117	104404	22.111	ug/l	95
39) Methylcyclohexane	9.356	83	105048	20.859	ug/l	95
40) Benzene	8.350	78	267113	20.793	ug/l	97

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41) Methacrylonitrile	7.520	41	30593	23.543	ug/l	95
42) 1,2-Dichloroethane	8.420	62	93754	21.560	ug/l	98
43) Isopropyl Acetate	8.450	43	90065	22.110	ug/l	99
44) Trichloroethene	9.109	130	68235	20.640	ug/l	87
45) 1,2-Dichloropropane	9.385	63	74281	21.390	ug/l	98
46) Dibromomethane	9.473	93	39418	22.176	ug/l	98
47) Bromodichloromethane	9.656	83	107575	22.044	ug/l	99
48) Methyl methacrylate	9.456	41	40713	19.779	ug/l	94
49) 1,4-Dioxane	9.467	88	8566	480.685	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	243351	113.100	ug/l	97
52) Toluene	10.403	92	175253	21.673	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	94691	22.119	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	110414	21.875	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	53926	23.142	ug/l	93
56) Ethyl methacrylate	10.656	69	62250	21.794	ug/l	96
57) 1,3-Dichloropropane	10.944	76	92882	21.570	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	171092	108.508	ug/l	98
59) 2-Hexanone	10.979	43	171641	114.213	ug/l	98
60) Dibromochloromethane	11.132	129	64875	21.873	ug/l	100
61) 1,2-Dibromoethane	11.238	107	49305	22.116	ug/l	99
64) Tetrachloroethene	10.873	164	59206	21.824	ug/l	92
65) Chlorobenzene	11.667	112	182879	20.693	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	70844	21.141	ug/l	97
67) Ethyl Benzene	11.738	91	338271	20.849	ug/l	97
68) m/p-Xylenes	11.850	106	258541	42.845	ug/l	99
69) o-Xylene	12.173	106	118449	20.739	ug/l	98
70) Styrene	12.185	104	209001	21.349	ug/l	99
71) Bromoform	12.350	173	36075	22.047	ug/l #	99
73) Isopropylbenzene	12.473	105	323877	20.596	ug/l	97
74) N-amyl acetate	12.279	43	82834	21.475	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	59219	21.252	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	52203m	24.690	ug/l	
77) Bromobenzene	12.755	156	71475	21.042	ug/l	97
78) n-propylbenzene	12.814	91	415838	21.027	ug/l	99
79) 2-Chlorotoluene	12.902	91	232418	20.851	ug/l	100
80) 1,3,5-Trimethylbenzene	12.950	105	276158	21.019	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	17286	22.792	ug/l	98
82) 4-Chlorotoluene	12.997	91	246814	21.343	ug/l	100
83) tert-Butylbenzene	13.214	119	230008	20.487	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	268167	20.639	ug/l	100
85) sec-Butylbenzene	13.391	105	365868	21.277	ug/l	98
86) p-Isopropyltoluene	13.508	119	295105	20.903	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	147882	21.096	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	148305	20.738	ug/l	98
89) n-Butylbenzene	13.832	91	295044	20.868	ug/l	98
90) Hexachloroethane	14.097	117	58357	20.892	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	129851	21.614	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	9612	21.462	ug/l	99
93) 1,2,4-Trichlorobenzene	15.144	180	74921	21.640	ug/l	99
94) Hexachlorobutadiene	15.249	225	42478	20.928	ug/l	99
95) Naphthalene	15.379	128	132256	21.575	ug/l	97
96) 1,2,3-Trichlorobenzene	15.579	180	63068	21.378	ug/l	97

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

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