

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100520\
 Data File : VD067080.D
 Acq On : 05 Oct 2020 13:40
 Operator : VA/SY
 Sample : L4247-02MS
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MS

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 3:03:47 PM

Quant Time: Oct 06 07:42:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	28424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	51060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	49121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	17823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	33101	120.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	241.80%	
35) Dibromofluoromethane	7.91	113	23879	71.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.86%	
50) Toluene-d8	10.34	98	65172	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
62) 4-Bromofluorobenzene	12.63	95	22130	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	13447	59.731	ug/l	95
3) Chloromethane	2.20	50	14117	62.364	ug/l	99
4) Vinyl Chloride	2.35	62	12658	55.768	ug/l	98
5) Bromomethane	2.77	94	13048	92.902	ug/l	90
6) Chloroethane	2.92	64	8658	62.637	ug/l	90
7) Trichlorofluoromethane	3.27	101	25691	50.946	ug/l	97
8) Diethyl Ether	3.71	74	16380	130.987	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	12292	43.126	ug/l #	65
10) Methyl Iodide	4.30	142	15871	57.307	ug/l #	43
11) Tert butyl alcohol	5.22	59	36167	2737.552	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	14933	55.732	ug/l	87
13) Acrolein	3.92	56	29567	1612.850	ug/l	99
14) Allyl chloride	4.72	41	23116	66.409	ug/l	99
15) Acrylonitrile	5.42	53	84685	1840.010	ug/l	98
16) Acetone	4.16	43	83074	1987.773	ug/l	96
17) Carbon Disulfide	4.40	76	40571	49.338	ug/l	96
18) Methyl Acetate	4.71	43	62010	590.353	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	73445	150.152	ug/l	96
20) Methylene Chloride	4.96	84	26828	97.350	ug/l	91
21) trans-1,2-Dichloroethene	5.48	96	18619	61.059	ug/l	89
22) Diisopropyl ether	6.36	45	59874	94.219	ug/l #	94
23) Vinyl Acetate	6.31	43	249598	693.130	ug/l	99
24) 1,1-Dichloroethane	6.27	63	33816	68.952	ug/l	96
25) 2-Butanone	7.21	43	114286	1928.809	ug/l	92
26) 2,2-Dichloropropane	7.21	77	28058	68.426	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	25358	77.865	ug/l	94
28) Bromochloromethane	7.55	49	22045	116.395	ug/l	99
29) Tetrahydrofuran	7.56	42	66474	1951.132	ug/l	97
30) Chloroform	7.71	83	40855	76.793	ug/l	88
31) Cyclohexane	7.99	56	10789	26.240	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	26333	53.408	ug/l	98
36) 1,1-Dichloropropene	8.11	75	18630	39.144	ug/l	99
37) Ethyl Acetate	7.29	43	40689	246.784	ug/l	96
38) Carbon Tetrachloride	8.10	117	18663	36.242	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	5996	11.916	ug/l #	84
40) Benzene	8.35	78	72605	54.923	ug/l	97
41) Methacrylonitrile	7.52	41	23846	267.710	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	39325	106.459	ug/l	100
43) Isopropyl Acetate	8.45	43	61573	202.717	ug/l	93
44) Trichloroethene	9.11	130	18881	47.831	ug/l	100
45) 1,2-Dichloropropane	9.38	63	21093	67.909	ug/l	95
46) Dibromomethane	9.47	93	20913	117.146	ug/l	93
47) Bromodichloromethane	9.66	83	35652	76.827	ug/l	94
48) Methyl methacrylate	9.46	41	29277	188.144	ug/l	90
49) 1,4-Dioxane	9.46	88	14995	8048.050	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	212909	1407.273	ug/l	99
52) Toluene	10.40	92	39793	46.730	ug/l	94
53) t-1,3-Dichloropropene	10.62	75	38290	92.323	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	40664	80.293	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	29845	120.247	ug/l	97
56) Ethyl methacrylate	10.66	69	41158	160.617	ug/l	98
57) 1,3-Dichloropropane	10.95	76	45617	113.340	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	124035	869.665	ug/l	99
59) 2-Hexanone	10.98	43	157480	1559.539	ug/l	100
60) Dibromochloromethane	11.14	129	33085	100.014	ug/l	93
61) 1,2-Dibromoethane	11.24	107	32932	138.109	ug/l	99
64) Tetrachloroethene	10.87	164	11523	32.267	ug/l	91
65) Chlorobenzene	11.67	112	46762	47.865	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.74	131	22319	60.059	ug/l	98
67) Ethyl Benzene	11.74	91	57170	34.154	ug/l	96
68) m/p-Xylenes	11.86	106	42143	64.602	ug/l	99
69) o-Xylene	12.18	106	25006	42.865	ug/l	98
70) Styrene	12.20	104	43894	43.818	ug/l	97
71) Bromoform	12.36	173	24593	127.490	ug/l #	95
73) Isopropylbenzene	12.48	105	37775	31.214	ug/l	96
74) N-amyl acetate	12.29	43	39067	179.573	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	42315	207.526	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	37930m	244.325	ug/l	
77) Bromobenzene	12.76	156	20605	70.512	ug/l	71
78) n-propylbenzene	12.82	91	34870	24.380	ug/l	96
79) 2-Chlorotoluene	12.91	91	37126	45.369	ug/l	91
80) 1,3,5-Trimethylbenzene	12.96	105	58101	56.823	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	15241	244.761	ug/l	94
82) 4-Chlorotoluene	13.01	91	38121	43.785	ug/l	98
83) tert-Butylbenzene	13.23	119	20709	24.051	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	46597	45.665	ug/l	97
85) sec-Butylbenzene	13.41	105	21148	17.441	ug/l	98
86) p-Isopropyltoluene	13.52	119	24622	21.903	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	25381	44.591	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	27000	47.441	ug/l	96
89) n-Butylbenzene	13.84	91	15076	14.674	ug/l #	76
90) Hexachloroethane	14.13	117	6728	34.167	ug/l #	49
91) 1,2-Dichlorobenzene	13.90	146	27084	54.484	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9489	288.694	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	9806	30.497	ug/l #	82
94) Hexachlorobutadiene	15.28	225	1477	7.480	ug/l #	75
95) Naphthalene	15.41	128	129908	242.223	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	9319	33.386	ug/l #	75

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

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