

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065932.D
 Acq On : 07 Jul 2020 20:26
 Operator : VA/SY
 Sample : L3216-02 5PPBL00
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:20:01 PM

Quant Time: Jul 08 10:10:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:53:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	393453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	623677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	581134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	172706	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	7.92	113	181587	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
50) Toluene-d8	10.34	98	659388	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
62) 4-Bromofluorobenzene	12.63	95	234361	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	20958	5.992	ug/l	99
3) Chloromethane	2.20	50	19166	5.527	ug/l	91
4) Vinyl Chloride	2.35	62	16316	5.125	ug/l	94
5) Bromomethane	2.77	94	11341	5.623	ug/l	89
6) Chloroethane	2.92	64	9638	5.064	ug/l	92
7) Trichlorofluoromethane	3.27	101	36661	5.373	ug/l	91
8) Diethyl Ether	3.71	74	9444	5.045	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	21599	5.292	ug/l	96
10) Methyl Iodide	4.30	142	18085	4.665	ug/l #	92
11) Tert butyl alcohol	5.21	59	10820	43.270	ug/l #	71
12) 1,1-Dichloroethene	4.07	96	20431	5.358	ug/l	98
13) Acrolein	3.93	56	4607	22.394	ug/l	86
14) Allyl chloride	4.72	41	33117	5.125	ug/l	100
15) Acrylonitrile	5.44	53	21296	25.983	ug/l	98
16) Acetone	4.16	43	18921	23.154	ug/l	93
17) Carbon Disulfide	4.41	76	65164	5.363	ug/l	96
18) Methyl Acetate	4.72	43	12853	6.710	ug/l #	73
19) Methyl tert-butyl Ether	5.48	73	42109	5.216	ug/l	94
20) Methylene Chloride	4.96	84	60520	10.425	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	22483	5.241	ug/l	89
22) Diisopropyl ether	6.36	45	63986	5.269	ug/l	93
23) Vinyl Acetate	6.31	43	160627	23.173	ug/l	97
24) 1,1-Dichloroethane	6.27	63	38379	5.300	ug/l	97
25) 2-Butanone	7.21	43	29339	27.170	ug/l	93
26) 2,2-Dichloropropane	7.21	77	32939	5.200	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	25018	5.427	ug/l	96
28) Bromochloromethane	7.55	49	13810	5.049	ug/l	99
29) Tetrahydrofuran	7.57	42	17671	25.735	ug/l	99
30) Chloroform	7.71	83	39386	5.365	ug/l	99
31) Cyclohexane	7.98	56	40022	5.617	ug/l #	80
32) 1,1,1-Trichloroethane	7.90	97	35196	5.254	ug/l	97
36) 1,1-Dichloropropene	8.11	75	31566	5.125	ug/l	98
37) Ethyl Acetate	7.29	43	12879	4.990	ug/l #	92
38) Carbon Tetrachloride	8.10	117	33057	5.007	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	35220	4.657	ug/l	95
40) Benzene	8.36	78	87628	5.149	ug/l	98
41) Methacrylonitrile	7.54	41	9502m	6.341	ug/l	
42) 1,2-Dichloroethane	8.43	62	25684	5.328	ug/l	99
43) Isopropyl Acetate	8.45	43	22822	4.751	ug/l	94
44) Trichloroethene	9.11	130	24839	4.968	ug/l	90
45) 1,2-Dichloropropane	9.38	63	22071	5.226	ug/l	96
46) Dibromomethane	9.48	93	10802	4.912	ug/l	95
47) Bromodichloromethane	9.67	83	29997	5.086	ug/l #	85
48) Methyl methacrylate	9.46	41	11552	4.777	ug/l	95
49) 1,4-Dioxane	9.46	88	2880	110.230	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	59260	24.399	ug/l	96
52) Toluene	10.40	92	55942	5.167	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	25684	4.631	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	32662	4.874	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	15361	5.070	ug/l	97
56) Ethyl methacrylate	10.66	69	18207	4.920	ug/l	96
57) 1,3-Dichloropropane	10.95	76	26629	5.026	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	43787	24.434	ug/l	98
59) 2-Hexanone	10.98	43	37815	22.639	ug/l	99
60) Dibromochloromethane	11.14	129	20700	5.001	ug/l	96
61) 1,2-Dibromoethane	11.25	107	14405	4.769	ug/l	96
64) Tetrachloroethene	10.88	164	23337	5.522	ug/l	94
65) Chlorobenzene	11.67	112	60639	5.178	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	22769	5.198	ug/l	97
67) Ethyl Benzene	11.75	91	103567	4.978	ug/l	98
68) m/p-Xylenes	11.86	106	77593	9.817	ug/l	99
69) o-Xylene	12.18	106	36471	5.065	ug/l	95
70) Styrene	12.20	104	61483	4.946	ug/l	97
71) Bromoform	12.37	173	11727	4.731	ug/l #	98
73) Isopropylbenzene	12.48	105	91810	4.667	ug/l	99
74) N-amyl acetate	12.29	43	20613	4.669	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	16385	5.016	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	8840m	3.738	ug/l	
77) Bromobenzene	12.76	156	24731	5.183	ug/l	98
78) n-propylbenzene	12.83	91	114031	4.944	ug/l	100
79) 2-Chlorotoluene	12.91	91	65812	5.029	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	79965	4.969	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	5505	5.002	ug/l	93
82) 4-Chlorotoluene	13.01	91	68618	4.998	ug/l	97
83) tert-Butylbenzene	13.23	119	67060	4.891	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	78287	4.887	ug/l	99
85) sec-Butylbenzene	13.40	105	94584	4.868	ug/l	99
86) p-Isopropyltoluene	13.52	119	83121	4.677	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	45819	5.131	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	46908	5.266	ug/l	93
89) n-Butylbenzene	13.85	91	80879	4.846	ug/l	97
90) Hexachloroethane	14.11	117	17768	4.958	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	39044	5.003	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2698	4.940	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	27751	4.989	ug/l	99
94) Hexachlorobutadiene	15.27	225	15360	4.565	ug/l	89
95) Naphthalene	15.40	128	42114	4.515	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	22754	4.743	ug/l	92

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

