

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\
 Data File : VD062101.D
 Acq On : 1 May 2019 14:27
 Operator : FY/SY
 Sample : K2241-03
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Quant Time: May 02 07:54:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:48:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	582424	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	951403	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	775002	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	377509	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	259987	57.03	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	114.06%	
35) Dibromofluoromethane	6.90	113	380875	57.88	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	115.76%	
50) Toluene-d8	10.38	98	904655	57.78	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	115.56%	
62) 4-Bromofluorobenzene	13.54	95	332750	52.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.57	85	16818	3.234	ug/l	100
3) Chloromethane	1.75	50	12051	2.726	ug/l #	85
4) Vinyl Chloride	1.85	62	11734	2.929	ug/l	95
5) Bromomethane	2.15	94	6036	5.290	ug/l	97
6) Chloroethane	2.27	64	4247	2.933	ug/l	99
7) Trichlorofluoromethane	2.52	101	18206	3.006	ug/l #	83
8) Diethyl Ether	2.85	74	3888	2.395	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	17982	3.223	ug/l	98
10) Methyl Iodide	3.29	142	17280	2.480	ug/l	90
11) Tert butyl alcohol	4.03	59	3823	14.844	ug/l #	76
12) 1,1-Dichloroethene	3.12	96	15058	3.172	ug/l #	73
13) Acrolein	3.02	56	3170	11.863	ug/l #	66
14) Allyl chloride	3.61	41	20354	3.140	ug/l #	87
15) Acrylonitrile	4.18	53	13047	16.360	ug/l	97
16) Acetone	3.20	43	16024	14.722	ug/l	92
17) Carbon Disulfide	3.36	76	47123	3.435	ug/l #	94
18) Methyl Acetate	3.62	43	10557	4.820	ug/l #	85
19) Methyl tert-butyl Ether	4.21	73	27955	2.968	ug/l	98
20) Methylene Chloride	3.80	84	19825	3.286	ug/l #	86
21) trans-1,2-Dichloroethene	4.19	96	16534	3.036	ug/l	91
22) Diisopropyl ether	5.08	45	43992	2.907	ug/l	98
23) Vinyl Acetate	5.03	43	96224	12.208	ug/l	97
24) 1,1-Dichloroethane	4.95	63	25601	2.799	ug/l #	94
25) 2-Butanone	6.03	43	18368	13.919	ug/l	99
26) 2,2-Dichloropropane	6.00	77	22685	2.843	ug/l	90
27) cis-1,2-Dichloroethene	6.01	96	17220	2.779	ug/l	91
28) Bromochloromethane	6.40	49	10792	3.083	ug/l #	79
29) Tetrahydrofuran	6.42	42	9391	14.443	ug/l	88
30) Chloroform	6.64	83	28291	2.723	ug/l	100
31) Cyclohexane	6.93	56	19480	2.869	ug/l	94
32) 1,1,1-Trichloroethane	6.85	97	26393	2.919	ug/l	94
36) 1,1-Dichloropropene	7.11	75	22943	3.095	ug/l	93
37) Ethyl Acetate	6.15	43	8615	2.727	ug/l #	81
38) Carbon Tetrachloride	7.08	117	22658	2.412	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	21922	2.998	ug/l	95
40) Benzene	7.43	78	47652	2.597	ug/l	97
41) Methacrylonitrile	6.41	41	11657	3.163	ug/l #	85
42) 1,2-Dichloroethane	7.56	62	18031	2.894	ug/l	98
43) Isopropyl Acetate	9.22	43	10482	2.271	ug/l #	73
44) Trichloroethene	8.51	130	20166	2.835	ug/l	93
45) 1,2-Dichloropropane	8.90	63	12490	2.683	ug/l	100
46) Dibromomethane	9.03	93	8684	2.592	ug/l	95
47) Bromodichloromethane	9.36	83	19158	2.420	ug/l	94
48) Methyl methacrylate	9.09	41	7627	2.896	ug/l	95
49) 1,4-Dioxane	9.05	88	1121	39.486	ug/l #	78
51) 4-Methyl-2-Pentanone	10.27	43	41393	14.665	ug/l	100
52) Toluene	10.49	92	32367	2.766	ug/l	97
53) t-1,3-Dichloropropene	10.88	75	17314	2.606	ug/l	93
54) cis-1,3-Dichloropropene	10.01	75	21220	2.626	ug/l	94
55) 1,1,2-Trichloroethane	11.17	97	10517	2.677	ug/l	97
56) Ethyl methacrylate	11.02	69	11781	2.708	ug/l	93
57) 1,3-Dichloropropane	11.37	76	15577	2.567	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.83	63	35620	17.610	ug/l	93
59) 2-Hexanone	11.51	43	27525	13.000	ug/l	96
60) Dibromochloromethane	11.66	129	16910	2.602	ug/l	96
61) 1,2-Dibromoethane	11.78	107	13330	2.861	ug/l	98
64) Tetrachloroethene	11.24	164	18155	3.284	ug/l	87
65) Chlorobenzene	12.38	112	42397	2.895	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.50	131	13931	2.243	ug/l	91
67) Ethyl Benzene	12.51	91	63046	2.638	ug/l	99
68) m/p-Xylenes	12.65	106	52961	6.130	ug/l	97
69) o-Xylene	13.03	106	24511	3.101	ug/l	92
70) Styrene	13.06	104	37670	2.760	ug/l	96
71) Bromoform	13.22	173	9035	2.551	ug/l	99
73) Isopropylbenzene	13.38	105	60442	2.400	ug/l	97
74) N-amyl acetate	13.25	43	16157	2.491	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.69	83	11688	2.368	ug/l	91
76) 1,2,3-Trichloropropane	13.72	75	12533	2.614	ug/l	84
77) Bromobenzene	13.65	156	19289	2.670	ug/l	83
78) n-propylbenzene	13.76	91	80595	2.796	ug/l	98
79) 2-Chlorotoluene	13.83	91	45546	2.608	ug/l	96
80) 1,3,5-Trimethylbenzene	13.91	105	52940	2.637	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.46	75	3164m	2.178	ug/l	
82) 4-Chlorotoluene	13.93	91	51197	2.662	ug/l	94
83) tert-Butylbenzene	14.17	119	63597	2.734	ug/l	97
84) 1,2,4-Trimethylbenzene	14.22	105	59944	3.127	ug/l	93
85) sec-Butylbenzene	14.36	105	73331	2.918	ug/l	98
86) p-Isopropyltoluene	14.48	119	67909	3.019	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	35075	2.773	ug/l	94
88) 1,4-Dichlorobenzene	14.52	146	35360	2.989	ug/l	94
89) n-Butylbenzene	14.78	91	52979	2.623	ug/l	95
90) Hexachloroethane	15.00	117	15804	2.598	ug/l	87
91) 1,2-Dichlorobenzene	14.79	146	28064	2.689	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	1194	1.817	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	15240	2.707	ug/l	90
94) Hexachlorobutadiene	16.02	225	11920	2.861	ug/l	98
95) Naphthalene	16.11	128	25135	2.765	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	8955	2.803	ug/l	94

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

