

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062204.D
 Acq On : 18 Apr 2019 14:47
 Operator : FY/SY
 Sample : K2241-01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:52:18 AM

Quant Time: Apr 19 10:47:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:45:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	444643	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	663311	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	491289	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	306929	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	226761	55.62	ug/l	0.02
Spiked Amount	50.000		Recovery	=	111.24%	
35) Dibromofluoromethane	4.30	113	306196	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
50) Toluene-d8	7.71	98	731770	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	11.49	95	320398	56.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	16106	2.384	ug/l	94
3) Chloromethane	1.16	50	15360	2.199	ug/l	92
4) Vinyl Chloride	1.19	62	16154	2.692	ug/l	98
5) Bromomethane	1.39	94	10321	2.961	ug/l	82
6) Chloroethane	1.44	64	7053	2.812	ug/l	90
7) Trichlorofluoromethane	1.56	101	17134	2.248	ug/l	91
8) Diethyl Ether	1.71	74	4779	3.012	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.91	101	13983	2.685	ug/l	97
10) Methyl Iodide	1.98	142	22410	2.422	ug/l #	84
11) Tert butyl alcohol	2.70	59	3368	11.884	ug/l #	65
12) 1,1-Dichloroethene	1.87	96	13615	2.749	ug/l	90
13) Acrolein	2.11	56	2789	16.241	ug/l	99
14) Allyl chloride	2.19	41	13930	2.451	ug/l	97
15) Acrylonitrile	3.08	53	11271	13.057	ug/l #	92
16) Acetone	2.34	43	15623	16.031	ug/l	92
17) Carbon Disulfide	1.91	76	30979	2.251	ug/l #	87
18) Methyl Acetate	2.46	43	6456m	2.407	ug/l	
19) Methyl tert-butyl Ether	2.55	73	20716	2.369	ug/l	100
20) Methylene Chloride	2.33	84	31652	5.092	ug/l	93
21) trans-1,2-Dichloroethene	2.42	96	12633	2.579	ug/l #	94
22) Diisopropyl ether	2.93	45	34457	2.370	ug/l #	89
23) Vinyl Acetate	3.35	43	81814	11.809	ug/l	98
24) 1,1-Dichloroethane	3.01	63	19446	2.445	ug/l #	97
25) 2-Butanone	4.53	43	26381	13.538	ug/l	93
26) 2,2-Dichloropropane	3.78	77	9137	2.275	ug/l #	67
27) cis-1,2-Dichloroethene	3.64	96	15121	2.384	ug/l	96
28) Bromochloromethane	3.91	49	9914	2.602	ug/l #	93
29) Tetrahydrofuran	4.27	42	12876	14.598	ug/l	97
30) Chloroform	4.06	83	23167	2.370	ug/l	99
31) Cyclohexane	3.87	56	21023	2.205	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	13549	1.894	ug/l	95
36) 1,1-Dichloropropene	4.47	75	18169	2.285	ug/l #	89
37) Ethyl Acetate	4.29	43	10831	2.886	ug/l #	95
38) Carbon Tetrachloride	4.19	117	15188m	2.158	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	22447	2.357	ug/l	94
40) Benzene	4.82	78	47211	2.263	ug/l	99
41) Methacrylonitrile	4.94	41	7060	3.261	ug/l #	75
42) 1,2-Dichloroethane	5.13	62	13202	2.394	ug/l #	74
43) Isopropyl Acetate	7.11	43	16520	4.185	ug/l #	95
44) Trichloroethene	5.68	130	14211	2.521	ug/l	96
45) 1,2-Dichloropropane	6.40	63	11516	2.506	ug/l	100
46) Dibromomethane	6.26	93	7707	2.521	ug/l	88
47) Bromodichloromethane	6.55	83	16633	2.411	ug/l	97
48) Methyl methacrylate	6.88	41	8173	3.151	ug/l #	91
49) 1,4-Dioxane	6.89	88	1766	59.366	ug/l #	65
51) 4-Methyl-2-Pentanone	8.40	43	60021	20.445	ug/l	97
52) Toluene	7.78	92	27094	2.464	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	12965	2.502	ug/l #	86
54) cis-1,3-Dichloropropene	7.46	75	18575	2.650	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	8841	2.870	ug/l	91
56) Ethyl methacrylate	8.76	69	18480	5.277	ug/l	96
57) 1,3-Dichloropropane	8.99	76	11989	2.410	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.45	63	18153	17.853	ug/l	96
59) 2-Hexanone	9.63	43	55331	28.605	ug/l	98
60) Dibromochloromethane	8.86	129	11296	2.466	ug/l	99
61) 1,2-Dibromoethane	9.12	107	8537	2.460	ug/l	88
64) Tetrachloroethene	8.31	164	12036	2.714	ug/l	94
65) Chlorobenzene	9.93	112	29307	2.798	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	12620	2.573	ug/l	94
67) Ethyl Benzene	10.03	91	52986	2.782	ug/l	98
68) m/p-Xylenes	10.26	106	39553	5.640	ug/l	93
69) o-Xylene	10.82	106	20520	2.636	ug/l	89
70) Styrene	10.89	104	33401	3.040	ug/l	98
71) Bromoform	10.88	173	6197	2.393	ug/l #	92
73) Isopropylbenzene	11.21	105	61328	2.326	ug/l	97
74) N-amyl acetate	11.45	43	34366	4.932	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.77	83	12069	2.662	ug/l	93
76) 1,2,3-Trichloropropane	11.86	75	8203	2.630	ug/l #	64
77) Bromobenzene	11.58	156	13294	2.354	ug/l	97
78) n-propylbenzene	11.67	91	73067	2.627	ug/l	97
79) 2-Chlorotoluene	11.80	91	42709	2.531	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	53353	2.430	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.93	75	4547m	2.858	ug/l	
82) 4-Chlorotoluene	11.97	91	44202	2.711	ug/l	98
83) tert-Butylbenzene	12.20	119	52603	2.316	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	54166	2.549	ug/l	95
85) sec-Butylbenzene	12.37	105	72036	2.443	ug/l	98
86) p-Isopropyltoluene	12.52	119	66178	2.646	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	29459	2.811	ug/l	95
88) 1,4-Dichlorobenzene	12.62	146	27184	2.689	ug/l	89
89) n-Butylbenzene	12.90	91	65449	2.730	ug/l	95
90) Hexachloroethane	12.97	117	14414	2.244	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	26483	2.617	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	1728	1.940	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	22843	2.698	ug/l	99
94) Hexachlorobutadiene	14.23	225	14447	2.488	ug/l	95
95) Naphthalene	14.50	128	51296	3.465	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	21141	2.601	ug/l	98

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

