

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061746.D
 Acq On : 26 Feb 2019 17:32
 Operator : VA/AP
 Sample : K1560-02L0010PPB
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 2/27/2019 3:19:38 PM

Quant Time: Feb 27 05:20:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	300437	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	439272	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	395795	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	224402	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	123207	55.92	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	111.84%	
35) Dibromofluoromethane	4.08	113	184862	56.67	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	113.34%	
50) Toluene-d8	7.53	98	491780	52.44	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	104.88%	
62) 4-Bromofluorobenzene	11.40	95	212386	55.97	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	111.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	44261	12.829	ug/l	95
3) Chloromethane	1.09	50	40810	11.273	ug/l	90
4) Vinyl Chloride	1.14	62	40362	11.994	ug/l	96
5) Bromomethane	1.33	94	30117	13.003	ug/l	99
6) Chloroethane	1.37	64	20121	12.133	ug/l	98
7) Trichlorofluoromethane	1.48	101	51861	12.777	ug/l	97
8) Diethyl Ether	1.62	74	11411	11.156	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.83	101	34760	11.871	ug/l	93
10) Methyl Iodide	1.89	142	67328m	12.037	ug/l	
11) Tert butyl alcohol	2.55	59	6814	53.441	ug/l	99
12) 1,1-Dichloroethene	1.79	96	30948	12.021	ug/l	95
13) Acrolein	1.99	56	6890	42.995	ug/l	93
14) Allyl chloride	2.08	41	34150	10.810	ug/l	94
15) Acrylonitrile	2.93	53	23325	51.574	ug/l	91
16) Acetone	2.23	43	29709	62.850	ug/l	94
17) Carbon Disulfide	1.83	76	91267	11.278	ug/l	98
18) Methyl Acetate	2.34	43	21484m	20.175	ug/l	
19) Methyl tert-butyl Ether	2.42	73	54729	12.439	ug/l	93
20) Methylene Chloride	2.17	84	40965m	14.377	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	33180	11.856	ug/l	96
22) Diisopropyl ether	2.78	45	86825	11.450	ug/l	93
23) Vinyl Acetate	3.17	43	197723	53.383	ug/l	98
24) 1,1-Dichloroethane	2.85	63	53695	11.701	ug/l	98
25) 2-Butanone	4.32	43	59695	57.815	ug/l	93
26) 2,2-Dichloropropane	3.57	77	24903	12.811	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	42441	11.554	ug/l	96
28) Bromochloromethane	3.70	49	23167	10.521	ug/l	98
29) Tetrahydrofuran	4.05	42	25509	54.357	ug/l	100
30) Chloroform	3.84	83	63031	12.078	ug/l	93
31) Cyclohexane	3.67	56	58590	11.794	ug/l	95
32) 1,1,1-Trichloroethane	4.07	97	43917	12.846	ug/l	97
36) 1,1-Dichloropropene	4.26	75	51028	11.726	ug/l	91
37) Ethyl Acetate	4.08	43	24240	11.993	ug/l #	86
38) Carbon Tetrachloride	3.97	117	38577	12.839	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	55000	10.687	ug/l	95
40) Benzene	4.61	78	129111	11.343	ug/l	97
41) Methacrylonitrile	4.72	41	12265	11.866	ug/l	92
42) 1,2-Dichloroethane	4.92	62	32555	11.957	ug/l	91
43) Isopropyl Acetate	6.94	43	26685	11.154	ug/l #	95
44) Trichloroethene	5.48	130	42172	11.458	ug/l	93
45) 1,2-Dichloropropane	6.21	63	32970	11.984	ug/l	98
46) Dibromomethane	6.07	93	19136	11.297	ug/l	91
47) Bromodichloromethane	6.36	83	45316	12.216	ug/l #	92
48) Methyl methacrylate	6.70	41	16741	11.628	ug/l	96
49) 1,4-Dioxane	6.69	88	2541	187.745	ug/l #	72
51) 4-Methyl-2-Pentanone	8.24	43	96797	56.624	ug/l	98
52) Toluene	7.60	92	80698	11.690	ug/l	91
53) t-1,3-Dichloropropene	8.25	75	38782	12.562	ug/l	93
54) cis-1,3-Dichloropropene	7.28	75	52038	12.654	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	23742	11.706	ug/l #	94
56) Ethyl methacrylate	8.60	69	24809	10.987	ug/l	94
57) 1,3-Dichloropropane	8.84	76	39969	11.807	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.28	63	20366	52.274	ug/l	95
59) 2-Hexanone	9.48	43	71730	59.860	ug/l	96
60) Dibromochloromethane	8.70	129	31152	11.035	ug/l	95
61) 1,2-Dibromoethane	8.96	107	24922	11.329	ug/l	97
64) Tetrachloroethene	8.14	164	39310	12.151	ug/l	95
65) Chlorobenzene	9.77	112	95746	11.921	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.91	131	37486	11.911	ug/l	94
67) Ethyl Benzene	9.88	91	155714	11.658	ug/l	99
68) m/p-Xylenes	10.11	106	121195	23.709	ug/l	93
69) o-Xylene	10.69	106	61608	11.295	ug/l	93
70) Styrene	10.77	104	92796	12.026	ug/l	97
71) Bromoform	10.76	173	18949	11.088	ug/l	97
73) Isopropylbenzene	11.10	105	187649	11.745	ug/l	95
74) N-amyl acetate	11.36	43	41631	10.856	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	31761	11.096	ug/l	88
76) 1,2,3-Trichloropropane	11.77	75	21794	11.199	ug/l	100
77) Bromobenzene	11.48	156	45714	11.582	ug/l	98
78) n-propylbenzene	11.58	91	224408	12.240	ug/l	96
79) 2-Chlorotoluene	11.71	91	122930	11.972	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	159011	12.452	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	9813m	10.518	ug/l	
82) 4-Chlorotoluene	11.88	91	123509	11.589	ug/l	96
83) tert-Butylbenzene	12.12	119	169668	11.996	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	156558	12.341	ug/l	97
85) sec-Butylbenzene	12.29	105	220917	12.079	ug/l	93
86) p-Isopropyltoluene	12.45	119	186979	12.181	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	94595	12.293	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	86627	11.706	ug/l	96
89) n-Butylbenzene	12.83	91	181786	12.542	ug/l	94
90) Hexachloroethane	12.90	117	43032	12.054	ug/l	85
91) 1,2-Dichlorobenzene	12.93	146	86106	11.765	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	4473	9.856	ug/l #	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	60557	11.543	ug/l	96
94) Hexachlorobutadiene	14.18	225	39739	12.265	ug/l	97
95) Naphthalene	14.45	128	93573	10.195	ug/l	96
96) 1,2,3-Trichlorobenzene	14.59	180	52488	10.901	ug/l	97

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

