

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022519\
 Data File : VF061733.D
 Acq On : 25 Feb 2019 16:35
 Operator : VA/AP
 Sample : K1560-02L00
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Feb 26 04:57:17 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	4.87	168	334379	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	478422	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	415022	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	251639	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	131348	53.57	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.14%	
35) Dibromofluoromethane	4.11	113	189627	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
50) Toluene-d8	7.56	98	522928	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	11.41	95	220833	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	43812	11.409	ug/l	94
3) Chloromethane	1.10	50	40241	9.988	ug/l	99
4) Vinyl Chloride	1.14	62	38757	10.348	ug/l	94
5) Bromomethane	1.32	94	27662	10.731	ug/l	98
6) Chloroethane	1.39	64	18426	9.983	ug/l	99
7) Trichlorofluoromethane	1.48	101	44454	9.840	ug/l	97
8) Diethyl Ether	1.63	74	10215	8.973	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.83	101	33409	10.251	ug/l	91
11) Tert butyl alcohol	2.58	59	6765	47.671	ug/l	96
12) 1,1-Dichloroethene	1.80	96	28963	10.108	ug/l	86
13) Acrolein	2.00	56	8345	46.789	ug/l	92
14) Allvl chloride	2.09	41	34949	9.940	ug/l	95
15) Acrylonitrile	2.94	53	21712	43.134	ug/l	89
16) Acetone	2.24	43	24339	46.263	ug/l	94
17) Carbon Disulfide	1.83	76	88136m	9.786	ug/l	
18) Methyl Acetate	2.35	43	19582m	16.522	ug/l	
19) Methyl tert-butyl Ether	2.43	73	48465	9.897	ug/l	98
20) Methylene Chloride	2.18	84	32448m	9.467	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	32299	10.370	ug/l	93
22) Diisopropyl ether	2.80	45	90259	10.694	ug/l	98
23) Vinyl Acetate	3.19	43	183452	44.502	ug/l	99
24) 1,1-Dichloroethane	2.87	63	53049	10.386	ug/l	95
25) 2-Butanone	4.33	43	53810	46.825	ug/l	92
26) 2,2-Dichloropropane	3.59	77	23356	10.796	ug/l	94
27) cis-1,2-Dichloroethene	3.47	96	40790	9.977	ug/l	99
28) Bromochloromethane	3.73	49	23017	9.392	ug/l	85
29) Tetrahydrofuran	4.07	42	24422	46.758	ug/l	92
30) Chloroform	3.86	83	58592	10.087	ug/l	89
31) Cyclohexane	3.69	56	53159m	9.614	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	41866	11.003	ug/l	90
36) 1,1-Dichloropropene	4.27	75	48861	10.310	ug/l	92
37) Ethyl Acetate	4.11	43	19460	8.840	ug/l #	75
38) Carbon Tetrachloride	3.99	117	38032	11.621	ug/l	94
39) Methylcyclohexane	5.45	83	54632	9.747	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.63	78	122262	9.863	ug/l	97
41) Methacrylonitrile	4.75	41	11526	10.238	ug/l #	89
42) 1,2-Dichloroethane	4.94	62	31101	10.488	ug/l	93
43) Isopropyl Acetate	6.96	43	23592	9.054	ug/l #	86
44) Trichloroethene	5.49	130	43442	10.837	ug/l	100
45) 1,2-Dichloropropane	6.23	63	30783	10.273	ug/l	96
46) Dibromomethane	6.08	93	17900	9.702	ug/l	89
47) Bromodichloromethane	6.38	83	42124	10.426	ug/l #	95
48) Methyl methacrylate	6.72	41	15680	10.000	ug/l	94
49) 1,4-Dioxane	6.71	88	2878	195.243	ug/l #	77
51) 4-Methyl-2-Pentanone	8.26	43	91247	49.009	ug/l	95
52) Toluene	7.62	92	79479	10.571	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	39025	11.606	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	47514	10.609	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	22615	10.238	ug/l	94
56) Ethyl methacrylate	8.62	69	22178	9.018	ug/l #	85
57) 1,3-Dichloropropane	8.85	76	36587	9.923	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.29	63	15421	36.342	ug/l #	87
59) 2-Hexanone	9.49	43	66455	50.920	ug/l	96
60) Dibromochloromethane	8.72	129	30244	9.837	ug/l	87
61) 1,2-Dibromoethane	8.99	107	26004	10.854	ug/l	91
64) Tetrachloroethene	8.15	164	37428	11.033	ug/l	92
65) Chlorobenzene	9.79	112	88683	10.530	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	37224	11.280	ug/l	99
67) Ethyl Benzene	9.90	91	161468	11.529	ug/l	96
68) m/p-Xylenes	10.13	106	117448	21.912	ug/l	95
69) o-Xylene	10.71	106	61998	10.840	ug/l	99
70) Stvrene	10.79	104	90811	11.224	ug/l	96
71) Bromoform	10.77	173	18745	10.460	ug/l	95
73) Isopropylbenzene	11.12	105	184024	10.271	ug/l	98
74) N-amyl acetate	11.37	43	40803	9.488	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	31254	9.737	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	20118	9.219	ug/l	89
77) Bromobenzene	11.49	156	42572	9.618	ug/l	93
78) n-propylbenzene	11.59	91	223783	10.885	ug/l	94
79) 2-Chlorotoluene	11.72	91	126533	10.989	ug/l	93
80) 1,3,5-Trimethylbenzene	11.82	105	153883	10.747	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	9102m	8.700	ug/l	
82) 4-Chlorotoluene	11.89	91	121916	10.201	ug/l	93
83) tert-Butylbenzene	12.13	119	170036	10.721	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	153898	10.818	ug/l	96
85) sec-Butylbenzene	12.31	105	220038	10.728	ug/l	100
86) p-Isopropyltoluene	12.46	119	182931	10.628	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	91849	10.645	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	87849	10.586	ug/l	97
89) n-Butylbenzene	12.84	91	176808	10.878	ug/l	97
90) Hexachloroethane	12.92	117	42871	10.709	ug/l	100
91) 1,2-Dichlorobenzene	12.94	146	85285	10.391	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	4393	8.632	ug/l	77
93) 1,2,4-Trichlorobenzene	14.20	180	57564	9.785	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.19	225	36859	10.145	µg/l	97
95) Naphthalene	14.46	128	92337	8.971	µg/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	52579	9.738	µg/l	96

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

