

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061833.D
 Acq On : 4 Mar 2019 22:16
 Operator : VA/AP
 Sample : K1560-0210PPBL00
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 10:48:26 AM

Quant Time: Mar 05 06:10:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	309439	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	461572	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	401507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	224553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	128475	57.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.02%	
35) Dibromofluoromethane	4.10	113	181063	56.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.42%	
50) Toluene-d8	7.55	98	523018	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	
62) 4-Bromofluorobenzene	11.41	95	205075	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	40852	10.753	ug/l	96
3) Chloromethane	1.09	50	38527	10.464	ug/l	90
4) Vinyl Chloride	1.13	62	35855	10.259	ug/l	94
5) Bromomethane	1.33	94	26784	11.245	ug/l	94
6) Chloroethane	1.39	64	18204	10.957	ug/l	98
7) Trichlorofluoromethane	1.48	101	45839m	10.738	ug/l	
8) Diethyl Ether	1.63	74	9136	9.412	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	1.83	101	28837	9.948	ug/l	96
10) Methyl Iodide	1.90	142	59314m	10.752	ug/l	
11) Tert butyl alcohol	2.57	59	6483	50.686	ug/l #	75
12) 1,1-Dichloroethene	1.79	96	27431	10.365	ug/l	88
13) Acrolein	1.99	56	7028	43.364	ug/l #	59
14) Allyl chloride	2.09	41	30071	10.314	ug/l	97
15) Acrylonitrile	2.94	53	18835	46.245	ug/l	96
16) Acetone	2.24	43	23877	50.583	ug/l	99
17) Carbon Disulfide	1.82	76	84741m	10.287	ug/l	
18) Methyl Acetate	2.35	43	12906	9.374	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	45569	10.179	ug/l	97
20) Methylene Chloride	2.17	84	37562m	10.126	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	29635	11.898	ug/l	99
22) Diisopropyl ether	2.79	45	81171	10.703	ug/l	97
23) Vinyl Acetate	3.18	43	166079	49.019	ug/l	99
24) 1,1-Dichloroethane	2.87	63	46495	10.257	ug/l	99
25) 2-Butanone	4.34	43	47410	49.377	ug/l	97
26) 2,2-Dichloropropane	3.59	77	18291	9.039	ug/l	91
27) cis-1,2-Dichloroethene	3.47	96	34080	9.876	ug/l	96
28) Bromochloromethane	3.72	49	22402	11.337	ug/l	92
29) Tetrahydrofuran	4.07	42	21280	51.390	ug/l	95
30) Chloroform	3.86	83	52587	10.156	ug/l	90
31) Cyclohexane	3.68	56	48632m	10.243	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	32523	10.191	ug/l	87
36) 1,1-Dichloropropene	4.27	75	42829	9.823	ug/l	94
37) Ethyl Acetate	4.10	43	18524	10.122	ug/l	96
38) Carbon Tetrachloride	3.98	117	30197	9.784	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	49194	9.552	ug/l	95
40) Benzene	4.62	78	115568	10.140	ug/l	99
41) Methacrylonitrile	4.75	41	9031	9.007	ug/l #	82
42) 1,2-Dichloroethane	4.94	62	27548	9.699	ug/l	98
43) Isopropyl Acetate	6.96	43	21792	9.660	ug/l #	88
44) Trichloroethene	5.49	130	36083	10.188	ug/l	100
45) 1,2-Dichloropropane	6.23	63	26119	9.638	ug/l #	85
46) Dibromomethane	6.07	93	15811	9.270	ug/l #	86
47) Bromodichloromethane	6.38	83	36531	9.695	ug/l #	97
48) Methyl methacrylate	6.71	41	13159	9.217	ug/l #	84
49) 1,4-Dioxane	6.71	88	2539	194.543	ug/l	90
51) 4-Methyl-2-Pentanone	8.26	43	81122	52.031	ug/l	96
52) Toluene	7.62	92	66618	9.881	ug/l	90
53) t-1,3-Dichloropropene	8.27	75	30262	9.729	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	38927	9.073	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	19704	10.143	ug/l	96
56) Ethyl methacrylate	8.62	69	21592	9.863	ug/l	90
57) 1,3-Dichloropropane	8.85	76	32255	10.153	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	18923	54.641	ug/l	96
59) 2-Hexanone	9.49	43	57172	50.830	ug/l	95
60) Dibromochloromethane	8.72	129	26011	9.395	ug/l	92
61) 1,2-Dibromoethane	8.98	107	19512	9.134	ug/l	92
64) Tetrachloroethene	8.15	164	30024	9.732	ug/l	96
65) Chlorobenzene	9.79	112	75815	9.828	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	29826	9.980	ug/l	98
67) Ethyl Benzene	9.90	91	129374	10.119	ug/l	95
68) m/p-Xylenes	10.13	106	100624	20.544	ug/l	96
69) o-Xylene	10.71	106	51541	9.772	ug/l	94
70) Styrene	10.79	104	73604	9.916	ug/l	96
71) Bromoform	10.77	173	14825	9.385	ug/l #	94
73) Isopropylbenzene	11.12	105	151764	9.817	ug/l	98
74) N-amyl acetate	11.37	43	34806	9.780	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	24202	9.419	ug/l	96
76) 1,2,3-Trichloropropane	11.79	75	17573	10.021	ug/l	96
77) Bromobenzene	11.50	156	34828	9.361	ug/l	84
78) n-propylbenzene	11.60	91	177509	10.168	ug/l	98
79) 2-Chlorotoluene	11.71	91	98606	9.879	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	122485	9.868	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.87	75	6078m	7.580	ug/l	
82) 4-Chlorotoluene	11.90	91	105522	10.336	ug/l	95
83) tert-Butylbenzene	12.13	119	129148	9.799	ug/l	90
84) 1,2,4-Trimethylbenzene	12.21	105	123390	10.141	ug/l	96
85) sec-Butylbenzene	12.31	105	174623	10.182	ug/l	98
86) p-Isopropyltoluene	12.45	119	151070	10.362	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	70987	10.048	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	69202	10.155	ug/l	94
89) n-Butylbenzene	12.84	91	143703	10.314	ug/l	94
90) Hexachloroethane	12.92	117	33090	9.430	ug/l	77
91) 1,2-Dichlorobenzene	12.94	146	68613	10.251	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	3861	11.769	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	46871	9.989	ug/l	96
94) Hexachlorobutadiene	14.19	225	30252	9.313	ug/l	94
95) Naphthalene	14.46	128	79134	9.468	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	41818	9.652	ug/l	94

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

