

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\
 Data File : VF061820.D
 Acq On : 1 Mar 2019 23:37
 Operator : VA/AP
 Sample : K1341-09
 Misc : 5.89g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-022719-B

Quant Time: Mar 02 02:49:14 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	4.86	168	1538	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	1463	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	729	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	96	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	85	7.54	ug/l	-0.03
Spiked Amount			Recovery	=	15.08%	
35) Dibromofluoromethane	4.08	113	88	8.10	ug/l	-0.04
Spiked Amount			Recovery	=	16.20%	
50) Toluene-d8	7.55	98	959	30.71	ug/l	0.00
Spiked Amount			Recovery	=	61.42%	
62) 4-Bromofluorobenzene	11.41	95	711	56.26	ug/l	0.00
Spiked Amount			Recovery	=	112.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.11	50	93	5.018	ug/l #	42
4) Vinyl Chloride	1.14	62	75	4.353	ug/l #	40
5) Bromomethane	1.30	94	323	27.242	ug/l #	3
6) Chloroethane	1.42	64	81	9.541	ug/l #	28
8) Diethyl Ether	1.55	74	67	12.795	ug/l	90
10) Methyl Iodide	1.86	142	86	3.003	ug/l #	39
11) Tert butyl alcohol	2.68	59	82	125.628	ug/l #	1
12) 1,1-Dichloroethene	1.79	96	63	4.780	ug/l #	1
13) Acrolein	2.03	56	244	297.432	ug/l	100
14) Allyl chloride	2.06	41	221	13.665	ug/l #	56
15) Acrylonitrile	2.95	53	152	65.652	ug/l #	1
16) Acetone	2.25	43	625	258.282	ug/l	90
17) Carbon Disulfide	1.90	76	68	1.641	ug/l #	1
18) Methyl Acetate	2.35	43	1702	312.219	ug/l	92
19) Methyl tert-butyl Ether	2.43	73	105	4.662	ug/l #	1
20) Methylene Chloride	2.19	84	70	3.031	ug/l #	1
21) trans-1,2-Dichloroethene	2.28	96	180	12.564	ug/l #	1
22) Diisopropyl ether	2.80	45	318	8.192	ug/l #	1
23) Vinyl Acetate	3.18	43	1037	54.691	ug/l #	74
24) 1,1-Dichloroethane	2.87	63	60	2.554	ug/l #	86
25) 2-Butanone	4.32	43	84	15.892	ug/l #	55
26) 2,2-Dichloropropane	3.49	77	80	8.039	ug/l #	52
27) cis-1,2-Dichloroethene	3.45	96	172	9.147	ug/l	1
29) Tetrahydrofuran	4.04	42	113	47.037	ug/l #	33
30) Chloroform	3.86	83	73	2.732	ug/l #	18
31) Cyclohexane	3.68	56	63	2.477	ug/l #	16
36) 1,1-Dichloropropene	4.29	75	74	5.106	ug/l #	37
37) Ethyl Acetate	4.10	43	71	10.547	ug/l #	30
40) Benzene	4.51	78	77	2.031	ug/l #	52
41) Methacrylonitrile	4.72	41	60	17.429	ug/l #	25
43) Isopropyl Acetate	6.94	43	73	9.162	ug/l #	43
45) 1,2-Dichloropropane	6.05	63	71	7.748	ug/l #	44
48) Methyl methacrylate	6.72	41	92	19.186	ug/l #	17
51) 4-Methyl-2-Pentanone	8.20	43	166	29.156	ug/l #	34

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53) t-1,3-Dichloropropene	8.07	75	73	7.099	ug/l #	42
56) Ethyl methacrylate	8.59	69	62	8.244	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.28	63	60	46.240	ug/l #	44
59) 2-Hexanone	9.44	43	77	19.294	ug/l #	23
60) Dibromochloromethane	8.62	129	62	6.594	ug/l #	12
65) Chlorobenzene	9.91	112	67	4.529	ug/l #	42
67) Ethyl Benzene	9.89	91	1014	41.218	ug/l #	86
68) m/p-Xylenes	10.13	106	976	103.664	ug/l	83
69) o-Xylene	10.70	106	923	91.874	ug/l	95
70) Styrene	10.64	104	66	4.644	ug/l #	32
73) Isopropylbenzene	11.12	105	966	141.331	ug/l	95
74) N-amyl acetate	11.48	43	658	401.080	ug/l #	10
75) 1,1,2,2-Tetrachloroethane	11.66	83	723	590.436	ug/l #	1
78) n-propylbenzene	11.59	91	1968	250.912	ug/l	87
79) 2-Chlorotoluene	11.71	91	680	154.803	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.81	105	1728	316.321	ug/l	97
82) 4-Chlorotoluene	11.86	91	154	33.777	ug/l #	37
83) tert-Butylbenzene	12.12	119	170	28.096	ug/l #	65
84) 1,2,4-Trimethylbenzene	12.20	105	1031	189.968	ug/l	93
85) sec-Butylbenzene	12.31	105	1342	171.514	ug/l #	69
86) p-Isopropyltoluene	12.46	119	624	95.026	ug/l	85
89) n-Butylbenzene	12.92	91	76	12.257	ug/l #	28
95) Naphthalene	14.47	128	68	17.318	ug/l #	69

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

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