

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062251.D
 Acq On : 22 Apr 2019 18:14
 Operator : FY/SY
 Sample : K2514-02
 Misc : 4.70µ/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-SF-01-007-ABCD

Quant Time: Apr 23 01:08:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	2545	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.78	114	1400	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.90	117	399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	63	50.00	ug/l	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	193	8.27	ug/l	0.05
Spiked Amount						
			Recovery	=	16.54%	
35) Dibromofluoromethane	4.30	113	147	12.00	ug/l	0.00
Spiked Amount						
			Recovery	=	24.00%	
50) Toluene-d8	7.73	98	778	25.10	ug/l	0.03
Spiked Amount						
			Recovery	=	50.20%	
62) 4-Bromofluorobenzene	11.55	95	749	62.81	ug/l	0.07
Spiked Amount						
			Recovery	=	125.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	101	2.611	ug/l #	42
3) Chloromethane	1.14	50	237	5.929	ug/l #	56
4) Vinyl Chloride	1.17	62	69	2.009	ug/l #	42
5) Bromomethane	1.40	94	422	21.151	ug/l #	58
6) Chloroethane	1.42	64	440	30.646	ug/l #	41
7) Trichlorofluoromethane	1.47	101	83	1.902	ug/l #	20
8) Diethyl Ether	1.50	74	183	20.152	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	1.81	101	64	2.147	ug/l #	21
10) Methyl Iodide	2.10	142	62	1.171	ug/l #	42
11) Tert butyl alcohol	2.72	59	157	96.786	ug/l #	1
12) 1,1-Dichloroethene	1.88	96	501	17.672	ug/l #	1
13) Acrolein	2.14	56	322	438.698	ug/l #	29
14) Allyl chloride	2.18	41	558	17.150	ug/l #	48
15) Acrylonitrile	3.08	53	230	46.553	ug/l #	15
16) Acetone	2.38	43	966	173.181	ug/l #	52
17) Carbon Disulfide	1.93	76	212	2.691	ug/l #	1
18) Methyl Acetate	2.46	43	1239	110.132	ug/l #	59
19) Methyl tert-butyl Ether	2.54	73	440	8.790	ug/l #	67
21) trans-1,2-Dichloroethene	2.46	96	199	7.098	ug/l #	1
22) Diisopropyl ether	2.95	45	400	4.806	ug/l #	46
23) Vinyl Acetate	3.34	43	1016	25.622	ug/l #	79
24) 1,1-Dichloroethane	3.00	63	60	1.318	ug/l #	1
25) 2-Butanone	4.51	43	2268	203.345	ug/l #	56
26) 2,2-Dichloropropane	3.57	77	254	11.050	ug/l	84
27) cis-1,2-Dichloroethene	3.67	96	279	7.685	ug/l #	1
28) Bromochloromethane	3.93	49	59	2.705	ug/l #	8
29) Tetrahydrofuran	4.27	42	329	65.169	ug/l #	61
30) Chloroform	4.04	83	176	3.146	ug/l	96
31) Cyclohexane	3.84	56	98	1.796	ug/l #	17
32) 1,1,1-Trichloroethane	4.32	97	206	5.030	ug/l #	17
36) 1,1-Dichloropropene	4.43	75	64	3.813	ug/l #	1
37) Ethyl Acetate	4.31	43	1887	238.239	ug/l #	74
38) Carbon Tetrachloride	4.19	117	73	4.913	ug/l #	13
39) Methylcyclohexane	5.66	83	232	11.544	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.83	78	584	13.265	ug/l #	52
41) Methacrylonitrile	4.90	41	725	158.684	ug/l #	40
42) 1,2-Dichloroethane	5.19	62	70	6.014	ug/l #	1
43) Isopropyl Acetate	7.12	43	1882	225.915	ug/l #	45
44) Trichloroethene	5.68	130	66	5.548	ug/l	2
45) 1,2-Dichloropropane	6.40	63	66	6.806	ug/l #	1
46) Dibromomethane	6.39	93	139	21.543	ug/l #	3
47) Bromodichloromethane	6.59	83	175	12.019	ug/l #	24
48) Methyl methacrylate	6.90	41	503	91.877	ug/l #	15
51) 4-Methyl-2-Pentanone	8.45	43	622	100.385	ug/l #	71
52) Toluene	7.77	92	270	11.634	ug/l #	1
53) t-1,3-Dichloropropene	8.47	75	61	5.578	ug/l #	44
54) cis-1,3-Dichloropropene	7.46	75	72	4.867	ug/l #	39
55) 1,1,2-Trichloroethane	8.57	97	73	11.228	ug/l #	41
56) Ethyl methacrylate	8.75	69	288	38.962	ug/l #	76
57) 1,3-Dichloropropane	8.95	76	76	7.239	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.30	63	81	37.743	ug/l #	48
59) 2-Hexanone	9.45	43	340	88.083	ug/l	95
60) Dibromochloromethane	9.01	129	86	8.895	ug/l	80
61) 1,2-Dibromoethane	8.88	107	73	9.966	ug/l #	1
64) Tetrachloroethene	8.25	164	70	19.435	ug/l #	1
65) Chlorobenzene	9.68	112	62	7.287	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	9.81	131	60	15.060	ug/l #	1
67) Ethyl Benzene	10.02	91	214	13.833	ug/l #	44
68) m/p-Xylenes	10.30	106	76	13.345	ug/l #	1
69) o-Xylene	10.90	106	62	9.805	ug/l	66
70) Styrene	10.85	104	64	7.172	ug/l #	23
73) Isopropylbenzene	11.24	105	98	18.109	ug/l #	49
74) N-amyl acetate	11.39	43	1823	1482.714	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	11.75	83	140	150.426	ug/l #	66
76) 1,2,3-Trichloropropane	11.88	75	185	288.919	ug/l #	1
77) Bromobenzene	11.53	156	64	55.206	ug/l #	1
78) n-propylbenzene	11.66	91	243	42.565	ug/l #	53
79) 2-Chlorotoluene	11.72	91	289	83.453	ug/l	79
80) 1,3,5-Trimethylbenzene	11.96	105	244	54.134	ug/l	64
81) trans-1,4-Dichloro-2-buten	11.94	75	329	1007.469	ug/l #	33
82) 4-Chlorotoluene	11.93	91	135	40.338	ug/l	80
83) tert-Butylbenzene	12.18	119	121	25.959	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.26	105	212	48.605	ug/l #	29
85) sec-Butylbenzene	12.49	105	379	62.630	ug/l	98
86) p-Isopropyltoluene	12.50	119	99	19.286	ug/l #	1
87) 1,3-Dichlorobenzene	12.30	146	60	27.890	ug/l #	46
89) n-Butylbenzene	12.90	91	428	107.335	ug/l #	28
90) Hexachloroethane	12.91	117	60	45.518	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.67	75	92	503.129	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.24	180	59	33.946	ug/l #	11
95) Naphthalene	14.48	128	87	28.628	ug/l #	1

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

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