

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062500.D
 Acq On : 12 May 2019 13:53
 Operator : FY/SY
 Sample : K2734-02
 Misc : 5.77g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS004-1824-01

Quant Time: May 13 04:44:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	852	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.81	114	649	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.96	117	148	50.00	ug/l	0.06
72) 1,4-Dichlorobenzene-d4	12.56	152	63	50.00	ug/l	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.19	65	116	14.41	ug/l	0.17
Spiked Amount 50.000			Recovery =	28.82%		
35) Dibromofluoromethane	4.33	113	337	65.18	ug/l	0.03
Spiked Amount 50.000			Recovery =	130.36%		
50) Toluene-d8	7.74	98	415	33.16	ug/l	0.03
Spiked Amount 50.000			Recovery =	66.32%		
62) 4-Bromofluorobenzene	11.51	95	60	10.63	ug/l	0.02
Spiked Amount 50.000			Recovery =	21.26%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	67	6.795	ug/l #	41
3) Chloromethane	1.17	50	186	28.601	ug/l #	42
4) Vinyl Chloride	1.22	62	61	9.404	ug/l #	42
5) Bromomethane	1.41	94	69	12.199	ug/l	97
6) Chloroethane	1.43	64	66	20.238	ug/l #	41
7) Trichlorofluoromethane	1.53	101	69	5.127	ug/l #	20
8) Diethyl Ether	1.62	74	90	44.195	ug/l	56
9) 1,1,2-Trichlorotrifluoroet	2.02	101	82	10.672	ug/l #	18
10) Methyl Iodide	2.20	142	68	5.370	ug/l #	29
11) Tert butyl alcohol	2.76	59	145	318.638	ug/l #	70
12) 1,1-Dichloroethene	1.88	96	69	10.563	ug/l #	1
13) Acrolein	2.09	56	92	334.181	ug/l #	1
14) Allyl chloride	2.19	41	683	118.366	ug/l #	53
15) Acrylonitrile	3.08	53	98	113.688	ug/l #	29
16) Acetone	2.35	43	185	113.580	ug/l #	62
17) Carbon Disulfide	1.95	76	91	6.389	ug/l #	1
18) Methyl Acetate	2.45	43	64	19.644	ug/l #	1
19) Methyl tert-butyl Ether	2.60	73	570	42.272	ug/l #	61
20) Methylene Chloride	2.42	84	96	16.290	ug/l #	1
21) trans-1,2-Dichloroethene	2.44	96	60	9.641	ug/l #	1
22) Diisopropyl ether	2.98	45	151	8.373	ug/l #	59
23) Vinyl Acetate	3.37	43	133	16.547	ug/l #	79
24) 1,1-Dichloroethane	3.03	63	71	6.514	ug/l #	1
25) 2-Butanone	4.52	43	409	199.871	ug/l #	60
26) 2,2-Dichloropropane	3.65	77	319	52.408	ug/l	89
27) cis-1,2-Dichloroethene	3.40	96	224	28.793	ug/l	28
28) Bromochloromethane	3.90	49	76	15.375	ug/l #	1
29) Tetrahydrofuran	4.27	42	240	255.189	ug/l #	36
30) Chloroform	4.03	83	88	5.976	ug/l	87
31) Cyclohexane	4.13	56	92	10.575	ug/l #	16
32) 1,1,1-Trichloroethane	4.27	97	62	4.913	ug/l #	22
36) 1,1-Dichloropropene	4.54	75	77	13.811	ug/l #	42
37) Ethyl Acetate	4.34	43	82	36.330	ug/l #	73
38) Carbon Tetrachloride	4.08	117	59	7.860	ug/l #	14

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.76	83	66	11.804	ug/l #	14
40) Benzene	4.87	78	266	21.667	ug/l #	46
41) Methacrylonitrile	4.95	41	66	49.371	ug/l #	38
42) 1,2-Dichloroethane	5.16	62	69	13.438	ug/l #	82
43) Isopropyl Acetate	7.16	43	185	72.954	ug/l #	46
45) 1,2-Dichloropropane	6.54	63	76	27.331	ug/l #	43
46) Dibromomethane	6.46	93	85	36.867	ug/l #	35
47) Bromodichloromethane	6.67	83	61	10.582	ug/l #	27
48) Methyl methacrylate	6.91	41	397	221.533	ug/l #	56
49) 1,4-Dioxane	7.01	88	80	4384.748	ug/l #	1
51) 4-Methyl-2-Pentanone	8.37	43	174	90.553	ug/l	100
53) t-1,3-Dichloropropene	8.47	75	61	13.992	ug/l #	43
54) cis-1,3-Dichloropropene	7.50	75	111	21.877	ug/l #	22
56) Ethyl methacrylate	8.83	69	231	91.018	ug/l #	1
57) 1,3-Dichloropropane	9.07	76	70	19.275	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.50	63	63	82.567	ug/l #	42
59) 2-Hexanone	9.74	43	92	69.229	ug/l	73
61) 1,2-Dibromoethane	9.28	107	81	28.665	ug/l	81
64) Tetrachloroethene	8.53	164	75	62.422	ug/l #	1
65) Chlorobenzene	10.10	112	66	26.952	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	10.15	131	60	48.570	ug/l #	1
67) Ethyl Benzene	10.10	91	67	15.625	ug/l #	45
68) m/p-Xylenes	10.05	106	64	40.452	ug/l #	1
70) Styrene	10.93	104	66	25.759	ug/l #	28
71) Bromoform	10.82	173	76	112.297	ug/l #	1
73) Isopropylbenzene	11.22	105	63	16.868	ug/l #	50
74) N-amyl acetate	11.44	43	196	244.441	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	11.69	83	67	114.571	ug/l #	1
76) 1,2,3-Trichloropropane	11.85	75	112	251.032	ug/l #	100
78) n-propylbenzene	11.66	91	86	21.628	ug/l #	52
79) 2-Chlorotoluene	11.83	91	65	26.288	ug/l #	1
80) 1,3,5-Trimethylbenzene	11.90	105	114	34.824	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.93	75	166	989.833	ug/l #	5
82) 4-Chlorotoluene	12.01	91	63	25.798	ug/l #	1
83) tert-Butylbenzene	12.20	119	109	31.683	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.26	105	72	22.475	ug/l #	31
85) sec-Butylbenzene	12.41	105	86	20.537	ug/l #	57
86) p-Isopropyltoluene	12.46	119	76	19.534	ug/l #	50
87) 1,3-Dichlorobenzene	12.60	146	63	35.192	ug/l #	11
88) 1,4-Dichlorobenzene	12.60	146	63	36.462	ug/l #	12
89) n-Butylbenzene	12.88	91	115	33.223	ug/l #	30
90) Hexachloroethane	12.96	117	85	87.499	ug/l #	3
91) 1,2-Dichlorobenzene	13.11	146	74	42.707	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.69	75	91	694.598	ug/l #	1
95) Naphthalene	14.50	128	63	26.962	ug/l #	69

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

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