

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062575.D
 Acq On : 14 May 2019 8:14
 Operator : FY/SY
 Sample : K2757-03
 Misc : 5.23g/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS009-0002-01

Quant Time: May 14 08:40:29 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	5.09	168	6853	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.82	114	3696	50.00	ug/l	0.05
63) Chlorobenzene-d5	9.95	117	751	50.00	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	12.63	152	74	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.07	65	577	8.91	ug/l	0.05
Spiked Amount	50.000		Recovery	=	17.82%	
35) Dibromofluoromethane	4.32	113	1355	46.02	ug/l	0.02
Spiked Amount	50.000		Recovery	=	92.04%	
50) Toluene-d8	7.73	98	1868	26.21	ug/l	0.03
Spiked Amount	50.000		Recovery	=	52.42%	
62) 4-Bromofluorobenzene	11.59	95	87	2.71	ug/l	0.11
Spiked Amount	50.000		Recovery	=	5.42%	

Target Compounds

						Qvalue
3) Chloromethane	1.15	50	230	4.397	ug/l #	42
4) Vinyl Chloride	1.19	62	108	2.070	ug/l #	42
5) Bromomethane	1.40	94	145	1.235	ug/l #	3
6) Chloroethane	1.51	64	63	2.402	ug/l #	41
8) Diethyl Ether	1.96	74	103	6.288	ug/l #	31
9) 1,1,2-Trichlorotrifluoroet	1.88	101	140	2.265	ug/l #	45
11) Tert butyl alcohol	2.71	59	59	16.119	ug/l #	1
12) 1,1-Dichloroethene	1.89	96	228	4.339	ug/l #	1
13) Acrolein	2.13	56	167	57.561	ug/l #	13
14) Allyl chloride	2.20	41	318	6.852	ug/l #	36
15) Acrylonitrile	3.06	53	66	9.519	ug/l #	10
16) Acetone	2.37	43	279	21.296	ug/l #	35
17) Carbon Disulfide	2.07	76	118	1.030	ug/l #	71
18) Methyl Acetate	2.43	43	302	10.143	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	143	1.318	ug/l #	61
20) Methylene Chloride	2.42	84	88	1.857	ug/l #	1
21) trans-1,2-Dichloroethene	2.44	96	233	4.655	ug/l #	1
22) Diisopropyl ether	2.99	45	184	1.268	ug/l #	72
23) Vinyl Acetate	3.36	43	277	4.285	ug/l #	1
24) 1,1-Dichloroethane	2.99	63	127	1.449	ug/l #	86
25) 2-Butanone	4.56	43	145	8.810	ug/l #	24
26) 2,2-Dichloropropane	3.83	77	388	7.925	ug/l #	58
27) cis-1,2-Dichloroethene	3.65	96	253	4.043	ug/l	34
28) Bromochloromethane	3.92	49	78	1.962	ug/l #	78
29) Tetrahydrofuran	4.30	42	81	10.708	ug/l #	21
31) Cyclohexane	3.88	56	272	3.887	ug/l #	16
36) 1,1-Dichloropropene	4.53	75	78	2.457	ug/l #	1
37) Ethyl Acetate	4.35	43	382	28.647	ug/l #	73
38) Carbon Tetrachloride	4.28	117	61	Below Cal	#	14
39) Methylcyclohexane	5.49	83	61	1.916	ug/l #	15
40) Benzene	4.85	78	141	2.017	ug/l #	48
41) Methacrylonitrile	4.97	41	119	15.631	ug/l #	1
42) 1,2-Dichloroethane	5.05	62	116	3.967	ug/l #	82
43) Isopropyl Acetate	7.20	43	125	8.656	ug/l #	48

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,2-Dichloropropane	6.52	63	87	5.494	ug/l #	43
46) Dibromomethane	6.30	93	66	5.027	ug/l #	1
47) Bromodichloromethane	6.59	83	314	9.565	ug/l #	27
48) Methyl methacrylate	6.91	41	172	16.853	ug/l #	45
49) 1,4-Dioxane	6.93	88	66	623.879	ug/l #	22
51) 4-Methyl-2-Pentanone	8.48	43	70	6.397	ug/l #	40
52) Toluene	7.89	92	69	1.600	ug/l #	38
53) t-1,3-Dichloropropene	8.51	75	70	2.819	ug/l #	43
54) cis-1,3-Dichloropropene	7.48	75	154	5.330	ug/l #	22
55) 1,1,2-Trichloroethane	8.61	97	63	4.601	ug/l #	14
56) Ethyl methacrylate	8.82	69	60	4.151	ug/l #	1
57) 1,3-Dichloropropane	9.12	76	63	3.046	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.49	63	70	16.109	ug/l #	42
59) 2-Hexanone	9.87	43	98	12.949	ug/l #	71
61) 1,2-Dibromoethane	9.41	107	62	3.853	ug/l #	3
64) Tetrachloroethene	8.27	164	66	10.825	ug/l #	1
65) Chlorobenzene	10.08	112	79	6.358	ug/l #	43
67) Ethyl Benzene	10.03	91	75	3.447	ug/l #	45
68) m/p-Xylenes	10.42	106	64	7.972	ug/l #	32
69) o-Xylene	10.83	106	83	9.568	ug/l #	1
70) Styrene	10.83	104	63	4.846	ug/l #	1
73) Isopropylbenzene	11.18	105	77	17.552	ug/l #	1
74) N-amyl acetate	11.45	43	165	175.191	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.78	83	68	98.996	ug/l #	22
76) 1,2,3-Trichloropropane	11.90	75	126	240.431	ug/l #	100
77) Bromobenzene	11.49	156	63	54.718	ug/l #	1
78) n-propylbenzene	11.59	91	69	14.773	ug/l #	52
79) 2-Chlorotoluene	11.75	91	87	29.956	ug/l #	1
80) 1,3,5-Trimethylbenzene	11.80	105	122	31.728	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.93	75	68	345.201	ug/l #	1
82) 4-Chlorotoluene	11.97	91	69	24.055	ug/l #	39
83) tert-Butylbenzene	12.21	119	70	17.322	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.20	105	69	18.337	ug/l #	31
85) sec-Butylbenzene	12.52	105	59	11.995	ug/l #	57
86) p-Isopropyltoluene	12.51	119	77	16.849	ug/l #	15
88) 1,4-Dichlorobenzene	12.82	146	62	30.549	ug/l #	7
89) n-Butylbenzene	13.02	91	70	17.217	ug/l #	29
90) Hexachloroethane	13.01	117	76	66.605	ug/l #	97
91) 1,2-Dichlorobenzene	13.01	146	104	51.098	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.61	75	163	1059.226	ug/l #	1
94) Hexachlorobutadiene	14.22	225	84	61.735	ug/l #	18

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

