

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062571.D
 Acq On : 14 May 2019 6:22
 Operator : FY/SY
 Sample : K2756-19MSD
 Misc : 5.54g/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS008-0206-01MSD

Quant Time: May 14 07:08:38 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	2485	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.81	114	610	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.93	117	1319	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	1031	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.07	65	79	3.36	ug/l	0.05
Spiked Amount	50.000		Recovery	=	6.72%	
35) Dibromofluoromethane	4.34	113	59	12.14	ug/l	0.04
Spiked Amount	50.000		Recovery	=	24.28%	
50) Toluene-d8	7.73	98	1011	85.94	ug/l	0.03
Spiked Amount	50.000		Recovery	=	171.88%	
62) 4-Bromofluorobenzene	11.52	95	765	144.14	ug/l	0.03
Spiked Amount	50.000		Recovery	=	288.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	415	14.430	ug/l #	41
3) Chloromethane	1.17	50	626	33.003	ug/l #	57
4) Vinyl Chloride	1.20	62	118	6.237	ug/l #	51
5) Bromomethane	1.41	94	719	50.384	ug/l #	73
6) Chloroethane	1.44	64	98	10.303	ug/l #	4
7) Trichlorofluoromethane	1.58	101	119	3.031	ug/l #	20
8) Diethyl Ether	1.71	74	204	34.346	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.84	101	196	8.746	ug/l #	39
10) Methyl Iodide	1.99	142	81	2.193	ug/l #	16
11) Tert butyl alcohol	2.70	59	1178	887.539	ug/l #	1
12) 1,1-Dichloroethene	1.87	96	173	9.080	ug/l #	36
13) Acrolein	2.12	56	1231	1615.810	ug/l	90
14) Allyl chloride	2.21	41	862	51.218	ug/l #	13
15) Acrylonitrile	3.10	53	378	150.347	ug/l #	74
16) Acetone	2.36	43	3365	708.317	ug/l #	67
17) Carbon Disulfide	1.94	76	147	3.539	ug/l #	1
18) Methyl Acetate	2.50	43	1550	187.521	ug/l #	58
19) Methyl tert-butyl Ether	2.57	73	681	17.316	ug/l #	61
20) Methylene Chloride	2.33	84	1665	96.870	ug/l #	50
21) trans-1,2-Dichloroethene	2.45	96	659	36.304	ug/l #	1
22) Diisopropyl ether	2.94	45	847	16.103	ug/l #	39
23) Vinyl Acetate	3.35	43	1582	67.481	ug/l #	79
24) 1,1-Dichloroethane	3.04	63	537	16.892	ug/l #	86
25) 2-Butanone	4.56	43	1312	219.823	ug/l #	60
26) 2,2-Dichloropropane	3.80	77	429	24.164	ug/l	91
27) cis-1,2-Dichloroethene	3.70	96	271	11.943	ug/l #	10
28) Bromochloromethane	3.88	49	64	4.439	ug/l #	1
29) Tetrahydrofuran	4.30	42	839	305.862	ug/l #	57
30) Chloroform	4.08	83	351	8.172	ug/l #	19
31) Cyclohexane	3.89	56	501	19.744	ug/l #	16
32) 1,1,1-Trichloroethane	4.31	97	406	11.030	ug/l #	40
36) 1,1-Dichloropropene	4.47	75	95	18.129	ug/l #	1
37) Ethyl Acetate	4.33	43	647	348.533	ug/l #	73
38) Carbon Tetrachloride	4.26	117	70	10.694	ug/l #	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.67	83	60	11.417	ug/l #	59
40) Benzene	4.85	78	233	20.192	ug/l #	4
41) Methacrylonitrile	4.96	41	568	452.057	ug/l #	1
42) 1,2-Dichloroethane	5.14	62	151	31.289	ug/l #	82
43) Isopropyl Acetate	7.14	43	834	349.910	ug/l #	47
44) Trichloroethene	5.44	130	115	27.130	ug/l #	79
45) 1,2-Dichloropropane	6.44	63	64	24.487	ug/l #	43
46) Dibromomethane	6.41	93	61	28.149	ug/l #	27
47) Bromodichloromethane	6.62	83	67	12.366	ug/l #	27
48) Methyl methacrylate	6.93	41	561	333.062	ug/l #	50
49) 1,4-Dioxane	6.78	88	75	4373.483	ug/l #	1
51) 4-Methyl-2-Pentanone	8.42	43	1105	611.830	ug/l #	79
52) Toluene	7.80	92	115	16.155	ug/l #	1
53) t-1,3-Dichloropropene	8.52	75	72	17.571	ug/l #	1
54) cis-1,3-Dichloropropene	7.44	75	244	51.163	ug/l #	22
55) 1,1,2-Trichloroethane	8.65	97	88	38.942	ug/l #	14
56) Ethyl methacrylate	8.79	69	87	36.471	ug/l #	1
57) 1,3-Dichloropropane	9.01	76	89	26.073	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.41	63	77	107.367	ug/l #	1
59) 2-Hexanone	9.65	43	1062	850.231	ug/l #	72
60) Dibromochloromethane	8.93	129	71	19.210	ug/l #	11
61) 1,2-Dibromoethane	9.42	107	77	28.991	ug/l #	89
64) Tetrachloroethene	8.42	164	66	6.164	ug/l #	1
65) Chlorobenzene	9.91	112	62	2.841	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	9.90	131	72	6.540	ug/l #	1
67) Ethyl Benzene	10.06	91	9331	244.170	ug/l #	97
68) m/p-Xylenes	10.27	106	506	35.887	ug/l #	97
69) o-Xylene	10.83	106	98	6.432	ug/l #	1
70) Styrene	10.92	104	4070	178.239	ug/l #	98
73) Isopropylbenzene	11.23	105	2380	38.939	ug/l #	94
74) N-amyl acetate	11.45	43	243	18.519	ug/l #	24
75) 1,1,2,2-Tetrachloroethane	11.78	83	64	6.687	ug/l #	1
76) 1,2,3-Trichloropropane	11.87	75	71	9.724	ug/l #	100
77) Bromobenzene	11.61	156	82	5.112	ug/l #	1
78) n-propylbenzene	11.68	91	1765	27.123	ug/l #	84
79) 2-Chlorotoluene	11.76	91	143	3.534	ug/l #	83
80) 1,3,5-Trimethylbenzene	11.80	105	811	15.138	ug/l #	72
81) trans-1,4-Dichloro-2-buten	12.02	75	85	30.971	ug/l #	87
82) 4-Chlorotoluene	11.76	91	143	3.578	ug/l #	83
83) tert-Butylbenzene	12.21	119	381	6.767	ug/l #	31
84) 1,2,4-Trimethylbenzene	12.28	105	380	7.248	ug/l #	56
85) sec-Butylbenzene	12.38	105	1396	20.371	ug/l #	96
86) p-Isopropyltoluene	12.53	119	1235	19.397	ug/l #	73
87) 1,3-Dichlorobenzene	12.54	146	141	4.813	ug/l #	37
88) 1,4-Dichlorobenzene	12.63	146	203	7.179	ug/l #	65
89) n-Butylbenzene	12.91	91	433	7.644	ug/l #	56
90) Hexachloroethane	12.98	117	76	4.781	ug/l #	82
91) 1,2-Dichlorobenzene	13.01	146	138	4.867	ug/l #	43
92) 1,2-Dibromo-3-Chloropropan	13.70	75	60	27.985	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.25	180	385	15.137	ug/l #	58

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.13	225	69	3.640	ug/l #	18
95) Naphthalene	14.51	128	1387	36.272	ug/l #	80
96) 1,2,3-Trichlorobenzene	14.65	180	348	14.123	ug/l #	62

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

