

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\
 Data File : VF062614.D
 Acq On : 15 May 2019 17:45
 Operator : FY/SY
 Sample : K2703-01
 Misc : 4.19g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P-3-OW(0-10)

Quant Time: May 16 03:29:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	88	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	341	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	170	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	328	493.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	986.76%	
35) Dibromofluoromethane	4.36	113	62	24.43	ug/l	0.02
Spiked Amount	50.000		Recovery	=	48.86%	
50) Toluene-d8	7.70	98	694	116.04	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	232.08%	
62) 4-Bromofluorobenzene	11.50	95	657	314.56	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	629.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.07	85	415	590.634	ug/l	81
3) Chloromethane	1.26	50	581	578.935	ug/l	93
4) Vinyl Chloride	1.23	62	340	340.406	ug/l #	35
5) Bromomethane	1.35	94	551	Below Cal	#	63
6) Chloroethane	1.48	64	151	398.095	ug/l #	39
7) Trichlorofluoromethane	1.56	101	86	62.841	ug/l #	18
8) Diethyl Ether	1.73	74	390	1271.301	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	1.95	101	224	239.961	ug/l #	23
10) Methyl Iodide	1.96	142	73	43.909	ug/l #	1
11) Tert butyl alcohol	2.74	59	746	18638.037	ug/l #	1
12) 1,1-Dichloroethene	1.89	96	260	325.143	ug/l #	11
13) Acrolein	2.21	56	406	15305.547	ug/l	88
14) Allyl chloride	2.22	41	2073	2533.520	ug/l #	78
15) Acrylonitrile	3.11	53	333	2325.764	ug/l #	54
16) Acetone	2.51	43	812	6019.375	ug/l	99
17) Carbon Disulfide	1.91	76	147	94.289	ug/l #	71
18) Methyl Acetate	2.45	43	1205	4829.151	ug/l #	86
19) Methyl tert-butyl Ether	2.53	73	1415	993.840	ug/l	94
20) Methylene Chloride	2.34	84	592	Below Cal	#	38
21) trans-1,2-Dichloroethene	2.46	96	723	897.158	ug/l #	23
22) Diisopropyl ether	2.98	45	1175	617.618	ug/l #	79
23) Vinyl Acetate	3.39	43	1793	1723.062	ug/l #	75
24) 1,1-Dichloroethane	3.01	63	476	328.673	ug/l #	30
25) 2-Butanone	4.39	43	628	2059.205	ug/l	94
26) 2,2-Dichloropropane	3.76	77	890	1138.674	ug/l	88
27) cis-1,2-Dichloroethene	3.67	96	518	454.955	ug/l	1
28) Bromochloromethane	3.91	49	392	481.528	ug/l	96
29) Tetrahydrofuran	4.27	42	312	2417.562	ug/l #	86
30) Chloroform	4.06	83	290	166.878	ug/l #	20
31) Cyclohexane	3.88	56	487	322.640	ug/l #	1
32) 1,1,1-Trichloroethane	4.33	97	148	126.348	ug/l #	22
36) 1,1-Dichloropropene	4.50	75	308	104.383	ug/l #	1
37) Ethyl Acetate	4.32	43	1486	1225.525	ug/l #	2
38) Carbon Tetrachloride	4.21	117	319	131.790	ug/l #	51

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

39) Methylcyclohexane	5.65	83	215	62.233	ug/l #	1
40) Benzene	4.74	78	392	46.698	ug/l	96
41) Methacrylonitrile	4.99	41	336	489.338	ug/l #	53
42) 1,2-Dichloroethane	5.16	62	99	55.576	ug/l	71
43) Isopropyl Acetate	7.14	43	866	603.550	ug/l #	40
44) Trichloroethene	5.73	130	181	79.841	ug/l	3
45) 1,2-Dichloropropane	6.41	63	80	37.862	ug/l #	42
46) Dibromomethane	6.26	93	467	395.320	ug/l #	5
47) Bromodichloromethane	6.58	83	257	101.200	ug/l #	26
48) Methyl methacrylate	6.89	41	171	217.726	ug/l #	33
49) 1,4-Dioxane	6.90	88	240	23189.151	ug/l #	15
51) 4-Methyl-2-Pentanone	8.43	43	532	506.014	ug/l #	1
52) Toluene	7.80	92	178	42.242	ug/l	79
53) t-1,3-Dichloropropene	8.43	75	273	136.073	ug/l #	43
54) cis-1,3-Dichloropropene	7.48	75	102	35.977	ug/l #	1
55) 1,1,2-Trichloroethane	8.66	97	467	370.142	ug/l #	26
56) Ethyl methacrylate	8.75	69	361	261.062	ug/l #	1
57) 1,3-Dichloropropane	9.02	76	135	64.829	ug/l #	55
58) 2-Chloroethyl Vinyl ether	7.46	63	395	912.943	ug/l #	53
59) 2-Hexanone	9.71	43	263	378.765	ug/l	64
60) Dibromochloromethane	8.84	129	134	83.593	ug/l	91
61) 1,2-Dibromoethane	9.17	107	121	95.621	ug/l #	3
64) Tetrachloroethene	8.33	164	98	15.828	ug/l #	35
65) Chlorobenzene	9.92	112	159	9.761	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	9.95	131	83	12.405	ug/l	80
67) Ethyl Benzene	10.05	91	298	10.296	ug/l #	44
68) m/p-Xylenes	10.29	106	320	31.194	ug/l #	1
69) o-Xylene	10.83	106	432	40.144	ug/l	56
70) Styrene	10.92	104	266	16.268	ug/l #	19
71) Bromoform	10.91	173	991	314.564	ug/l	68
73) Isopropylbenzene	11.23	105	789	69.027	ug/l	99
74) N-amyl acetate	11.47	43	632	227.714	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	11.74	83	368	157.153	ug/l #	73
76) 1,2,3-Trichloropropane	11.89	75	298	198.507	ug/l #	1
77) Bromobenzene	11.61	156	528	204.410	ug/l	76
78) n-propylbenzene	11.70	91	555	40.822	ug/l #	52
79) 2-Chlorotoluene	11.86	91	489	65.172	ug/l	100
80) 1,3,5-Trimethylbenzene	11.87	105	436	48.729	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	227	354.766	ug/l #	1
82) 4-Chlorotoluene	11.99	91	396	53.976	ug/l	79
83) tert-Butylbenzene	12.21	119	656	70.091	ug/l #	18
84) 1,2,4-Trimethylbenzene	12.26	105	930	105.813	ug/l	73
85) sec-Butylbenzene	12.38	105	345	27.151	ug/l #	59
86) p-Isopropyltoluene	12.67	119	463	44.265	ug/l	89
87) 1,3-Dichlorobenzene	12.55	146	338	66.902	ug/l	73
88) 1,4-Dichlorobenzene	12.55	146	338	71.319	ug/l	73
89) n-Butylbenzene	12.91	91	580	54.475	ug/l #	69
90) Hexachloroethane	13.03	117	755	281.793	ug/l	66
91) 1,2-Dichlorobenzene	13.03	146	302	67.381	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.71	75	366	1272.438	ug/l #	42

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.29	180	96	30.802	ug/l #	1
94) Hexachlorobutadiene	14.26	225	273	120.580	ug/l #	42
95) Naphthalene	14.52	128	949	187.072	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.68	180	102	35.277	ug/l #	12

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

