

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062744.D
 Acq On : 24 May 2019 13:46
 Operator : FY/SY
 Sample : K2643-09
 Misc : 5.99g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-052319-A

Quant Time: May 24 23:03:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	1175	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.89	117	252	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.67	152	180	50.00	ug/l	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	186	62.37	ug/l	-0.01
Spiked Amount			Recovery	=	124.74%	
35) Dibromofluoromethane	4.32	113	413	45.93	ug/l	0.00
Spiked Amount			Recovery	=	91.86%	
50) Toluene-d8	7.67	98	86	4.01	ug/l	-0.05
Spiked Amount			Recovery	=	8.02%	
62) 4-Bromofluorobenzene	11.49	95	406	49.87	ug/l	-0.01
Spiked Amount			Recovery	=	99.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	299	52.065	ug/l	92
3) Chloromethane	1.12	50	768	145.238	ug/l	91
4) Vinyl Chloride	1.18	62	875	179.766	ug/l #	77
5) Bromomethane	1.42	94	317	119.048	ug/l #	56
6) Chloroethane	1.54	64	883	493.947	ug/l	91
7) Trichlorofluoromethane	1.53	101	136	20.809	ug/l #	21
8) Diethyl Ether	1.74	74	914	705.934	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	1.93	101	195	46.858	ug/l #	11
10) Methyl Iodide	1.96	142	356	43.548	ug/l #	25
11) Tert butyl alcohol	2.73	59	114	579.039	ug/l #	1
12) 1,1-Dichloroethene	1.86	96	949	250.334	ug/l #	1
13) Acrolein	2.02	56	878	4272.242	ug/l	87
14) Allyl chloride	2.19	41	952	277.469	ug/l #	77
15) Acrylonitrile	3.10	53	189	340.321	ug/l #	33
16) Acetone	2.33	43	1019	1317.146	ug/l	91
17) Carbon Disulfide	1.95	76	177	15.753	ug/l #	1
18) Methyl Acetate	2.33	43	1019	838.181	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	407	60.057	ug/l #	34
20) Methylene Chloride	2.34	84	311	80.199	ug/l #	18
21) trans-1,2-Dichloroethene	2.43	96	1105	298.218	ug/l #	1
22) Diisopropyl ether	2.94	45	652	77.049	ug/l #	76
23) Vinyl Acetate	3.33	43	1544	270.480	ug/l #	51
24) 1,1-Dichloroethane	3.04	63	190	30.606	ug/l #	21
25) 2-Butanone	4.51	43	909	549.948	ug/l #	50
26) 2,2-Dichloropropane	3.81	77	745	209.746	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	646	105.990	ug/l	1
28) Bromochloromethane	4.04	49	160	45.955	ug/l	90
29) Tetrahydrofuran	4.27	42	742	1109.343	ug/l #	61
30) Chloroform	4.05	83	267	30.978	ug/l #	31
31) Cyclohexane	3.88	56	396	47.509	ug/l #	24
32) 1,1,1-Trichloroethane	4.32	97	209	36.512	ug/l #	9
36) 1,1-Dichloropropene	4.32	75	313	25.996	ug/l	97
37) Ethyl Acetate	4.29	43	1382	281.123	ug/l #	81
38) Carbon Tetrachloride	4.21	117	93	10.270	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.72	83	494	34.099	ug/l	94
40) Benzene	4.86	78	394	12.012	ug/l #	47
41) Methacrylonitrile	4.94	41	404	156.752	ug/l #	70
42) 1,2-Dichloroethane	5.08	62	415	63.446	ug/l	71
43) Isopropyl Acetate	7.11	43	964	151.361	ug/l #	43
44) Trichloroethene	5.68	130	237	25.708	ug/l	1
45) 1,2-Dichloropropane	6.37	63	167	20.169	ug/l	93
46) Dibromomethane	6.22	93	321	67.081	ug/l #	12
47) Bromodichloromethane	6.54	83	130	13.086	ug/l #	25
48) Methyl methacrylate	6.86	41	826	248.130	ug/l #	31
49) 1,4-Dioxane	6.85	88	193	4526.663	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	319	73.277	ug/l #	32
52) Toluene	7.69	92	108	6.278	ug/l	78
53) t-1,3-Dichloropropene	8.38	75	574	70.625	ug/l #	1
54) cis-1,3-Dichloropropene	7.43	75	144	12.657	ug/l #	1
55) 1,1,2-Trichloroethane	8.62	97	512	100.524	ug/l #	15
56) Ethyl methacrylate	8.72	69	690	113.710	ug/l #	10
57) 1,3-Dichloropropane	8.99	76	79	9.106	ug/l #	43
58) 2-Chloroethyl Vinyl ether	7.42	63	535	270.865	ug/l #	51
59) 2-Hexanone	9.54	43	872	312.314	ug/l	85
60) Dibromochloromethane	8.88	129	138	20.789	ug/l	58
61) 1,2-Dibromoethane	9.05	107	90	16.636	ug/l	91
64) Tetrachloroethene	8.32	164	68	34.061	ug/l #	1
65) Chlorobenzene	9.99	112	250	50.510	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.08	131	87	43.785	ug/l #	62
67) Ethyl Benzene	10.07	91	650	75.595	ug/l #	42
68) m/p-Xylenes	10.27	106	232	71.790	ug/l #	29
69) o-Xylene	10.81	106	215	64.591	ug/l	51
70) Styrene	10.89	104	63	12.452	ug/l #	33
71) Bromoform	10.91	173	236	237.150	ug/l #	61
73) Isopropylbenzene	11.22	105	73	5.659	ug/l #	45
74) N-amyl acetate	11.46	43	677	225.151	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.75	83	75	28.447	ug/l #	1
76) 1,2,3-Trichloropropane	11.86	75	313	180.682	ug/l #	40
77) Bromobenzene	11.56	156	143	44.593	ug/l #	54
78) n-propylbenzene	11.67	91	308	20.173	ug/l #	50
79) 2-Chlorotoluene	11.79	91	913	106.109	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.90	105	143	13.824	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.98	75	135	175.317	ug/l #	26
82) 4-Chlorotoluene	12.01	91	213	25.103	ug/l #	37
83) tert-Butylbenzene	12.24	119	605	57.646	ug/l #	64
84) 1,2,4-Trimethylbenzene	12.28	105	112	11.186	ug/l #	25
85) sec-Butylbenzene	12.35	105	98	6.958	ug/l #	54
86) p-Isopropyltoluene	12.52	119	260	21.904	ug/l #	47
87) 1,3-Dichlorobenzene	12.55	146	277	47.745	ug/l #	23
88) 1,4-Dichlorobenzene	12.62	146	233	42.796	ug/l #	24
89) n-Butylbenzene	12.90	91	132	11.279	ug/l #	25
90) Hexachloroethane	12.97	117	383	134.508	ug/l #	20
91) 1,2-Dichlorobenzene	13.00	146	63	12.182	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.71	75	290	922.036	ug/l #	11

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	69	18.640	ug/l #	11
94) Hexachlorobutadiene	14.22	225	87	33.677	ug/l #	16
95) Naphthalene	14.47	128	315	46.839	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.65	180	80	22.815	ug/l #	11

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

