

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\
 Data File : VF062615.D
 Acq On : 15 May 2019 18:13
 Operator : FY/SY
 Sample : K2823-01RE
 Misc : 5.28g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 10-BRE

Quant Time: May 16 03:30:28 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	5.06	168	834	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.71	114	67	50.00	ug/l	-0.09
63) Chlorobenzene-d5	9.77	117	64	50.00	ug/l	-0.17
72) 1,4-Dichlorobenzene-d4	12.61	152	96	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	490	77.77	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	155.54%	
35) Dibromofluoromethane	4.28	113	373	748.00	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	1496.00%	
50) Toluene-d8	7.65	98	119	101.27	ug/l	-0.09
Spiked Amount	50.000		Recovery	=	202.54%	
62) 4-Bromofluorobenzene	11.36	95	251	611.63	ug/l	-0.15
Spiked Amount	50.000		Recovery	=	1223.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.93	85	360	47.696	ug/l	96
3) Chloromethane	1.10	50	897	94.311	ug/l	97
4) Vinyl Chloride	1.25	62	360	38.031	ug/l	95
5) Bromomethane	1.50	94	535	Below Cal		97
6) Chloroethane	1.46	64	994	276.511	ug/l #	78
7) Trichlorofluoromethane	1.55	101	120	9.252	ug/l #	18
8) Diethyl Ether	1.72	74	180	61.912	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.95	101	76	8.591	ug/l #	1
10) Methyl Iodide	1.93	142	136	8.631	ug/l #	86
11) Tert butyl alcohol	2.67	59	509	1341.825	ug/l #	73
12) 1,1-Dichloroethene	1.91	96	731	96.457	ug/l #	6
13) Acrolein	2.23	56	230	914.887	ug/l	88
14) Allyl chloride	2.19	41	546	70.410	ug/l #	59
15) Acrylonitrile	2.98	53	961	708.209	ug/l	88
16) Acetone	2.30	43	1137	889.350	ug/l #	53
17) Carbon Disulfide	1.95	76	533	31.475	ug/l #	71
18) Methyl Acetate	2.58	43	677	280.159	ug/l	98
19) Methyl tert-butyl Ether	2.52	73	576	42.687	ug/l #	59
20) Methylene Chloride	2.29	84	105	10.768	ug/l #	67
21) trans-1,2-Dichloroethene	2.46	96	323	42.291	ug/l #	1
22) Diisopropyl ether	2.94	45	341	18.913	ug/l #	1
23) Vinyl Acetate	3.32	43	1221	123.809	ug/l #	75
24) 1,1-Dichloroethane	3.03	63	328	23.897	ug/l #	86
25) 2-Butanone	4.61	43	2308	798.532	ug/l	92
26) 2,2-Dichloropropane	3.67	77	515	69.524	ug/l	77
27) cis-1,2-Dichloroethene	3.63	96	1196	110.837	ug/l	9
28) Bromochloromethane	3.93	49	268	34.737	ug/l #	9
29) Tetrahydrofuran	4.24	42	742	606.657	ug/l #	74
30) Chloroform	4.04	83	223	13.540	ug/l	94
31) Cyclohexane	3.89	56	438	30.618	ug/l #	19
32) 1,1,1-Trichloroethane	4.28	97	452	40.716	ug/l #	52
36) 1,1-Dichloropropene	4.42	75	587	1012.506	ug/l #	43
37) Ethyl Acetate	4.25	43	794	3332.756	ug/l #	2
38) Carbon Tetrachloride	4.20	117	195	410.020	ug/l #	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	335	493.524	ug/l	92
40) Benzene	4.82	78	1069	648.138	ug/l #	14
41) Methacrylonitrile	4.90	41	1324	9813.809	ug/l #	66
42) 1,2-Dichloroethane	5.12	62	146	417.146	ug/l	71
43) Isopropyl Acetate	7.04	43	935	3316.549	ug/l #	39
44) Trichloroethene	5.60	130	105	235.732	ug/l	73
45) 1,2-Dichloropropane	6.36	63	347	835.834	ug/l	91
46) Dibromomethane	6.18	93	323	1391.598	ug/l #	36
47) Bromodichloromethane	6.46	83	147	294.607	ug/l #	81
48) Methyl methacrylate	6.65	41	1356	8787.258	ug/l	91
49) 1,4-Dioxane	6.78	88	219	107695.436	ug/l #	1
51) 4-Methyl-2-Pentanone	8.28	43	460	2226.837	ug/l #	34
52) Toluene	7.76	92	83	100.249	ug/l	86
53) t-1,3-Dichloropropene	8.32	75	273	692.552	ug/l #	18
54) cis-1,3-Dichloropropene	7.36	75	257	461.358	ug/l #	1
55) 1,1,2-Trichloroethane	8.52	97	141	568.787	ug/l #	35
56) Ethyl methacrylate	8.64	69	371	1365.496	ug/l #	76
57) 1,3-Dichloropropane	8.94	76	419	1024.076	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.36	63	89	1046.926	ug/l #	53
59) 2-Hexanone	9.49	43	409	2997.899	ug/l	74
60) Dibromochloromethane	8.72	129	70	222.249	ug/l	70
61) 1,2-Dibromoethane	8.86	107	85	341.875	ug/l	100
64) Tetrachloroethene	8.33	164	213	503.654	ug/l #	1
65) Chlorobenzene	9.93	112	164	147.396	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.18	131	95	207.872	ug/l	91
67) Ethyl Benzene	9.93	91	391	197.791	ug/l	97
68) m/p-Xylenes	10.21	106	79	112.749	ug/l	99
69) o-Xylene	10.86	106	151	205.437	ug/l	43
70) Styrene	10.87	104	140	125.351	ug/l #	1
71) Bromoform	10.89	173	71	329.954	ug/l #	29
73) Isopropylbenzene	11.21	105	69	10.690	ug/l #	48
74) N-amyl acetate	11.46	43	466	297.328	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.77	83	376	284.342	ug/l #	69
76) 1,2,3-Trichloropropane	11.74	75	226	266.591	ug/l	94
77) Bromobenzene	11.74	156	68	46.618	ug/l	65
78) n-propylbenzene	11.69	91	268	34.907	ug/l #	52
79) 2-Chlorotoluene	11.81	91	120	28.321	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.99	105	118	23.354	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.93	75	215	595.021	ug/l #	27
82) 4-Chlorotoluene	11.95	91	411	99.204	ug/l #	40
83) tert-Butylbenzene	12.21	119	186	35.192	ug/l #	78
84) 1,2,4-Trimethylbenzene	12.29	105	330	66.489	ug/l	95
85) sec-Butylbenzene	12.37	105	186	25.921	ug/l #	59
86) p-Isopropyltoluene	12.53	119	481	81.434	ug/l #	51
87) 1,3-Dichlorobenzene	12.54	146	66	23.134	ug/l #	23
88) 1,4-Dichlorobenzene	12.65	146	308	115.084	ug/l #	23
89) n-Butylbenzene	12.90	91	387	64.366	ug/l #	76
90) Hexachloroethane	13.00	117	141	93.192	ug/l #	51
91) 1,2-Dichlorobenzene	13.02	146	151	59.660	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.69	75	380	2339.467	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	70	39.772	ug/l #	54
94) Hexachlorobutadiene	14.30	225	64	50.058	ug/l #	38
95) Naphthalene	14.53	128	99	34.559	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.65	180	161	98.605	ug/l #	12

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

