

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\
 Data File : VF062616.D
 Acq On : 15 May 2019 18:41
 Operator : FY/SY
 Sample : K2823-04
 Misc : 6.06g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 11-B2

Quant Time: May 16 03:31:03 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	80	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.93	114	341	50.00	ug/l	0.12
63) Chlorobenzene-d5	10.12	117	509	50.00	ug/l	0.18
72) 1,4-Dichlorobenzene-d4	12.62	152	80	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.09	65	1021	1689.38	ug/l	0.03
Spiked Amount	50.000		Recovery	=	3378.76%	
35) Dibromofluoromethane	4.45	113	208	81.95	ug/l	0.11
Spiked Amount	50.000		Recovery	=	163.90%	
50) Toluene-d8	7.90	98	319	53.34	ug/l	0.16
Spiked Amount	50.000		Recovery	=	106.68%	
62) 4-Bromofluorobenzene	11.75	95	254	121.61	ug/l	0.23
Spiked Amount	50.000		Recovery	=	243.22%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.02	85	472	740.692	ug/l 86
3) Chloromethane	1.18	50	402	440.628	ug/l # 17
4) Vinyl Chloride	1.18	62	539	593.607	ug/l # 42
5) Bromomethane	1.42	94	359	Below Cal	95
6) Chloroethane	1.44	64	151	437.904	ug/l # 1
7) Trichlorofluoromethane	1.69	101	166	133.428	ug/l 98
8) Diethyl Ether	1.76	74	189	677.701	ug/l 56
9) 1,1,2-Trichlorotrifluoroet	1.92	101	347	408.898	ug/l # 1
10) Methyl Iodide	1.98	142	173	114.463	ug/l # 1
11) Tert butyl alcohol	2.72	59	256	7035.484	ug/l # 9
12) 1,1-Dichloroethene	1.89	96	833	1145.878	ug/l # 3
13) Acrolein	2.10	56	688	28530.142	ug/l 92
14) Allyl chloride	2.20	41	1084	1457.293	ug/l # 74
15) Acrylonitrile	3.12	53	586	4502.065	ug/l # 67
16) Acetone	2.26	43	863	7037.183	ug/l 89
17) Carbon Disulfide	1.93	76	86	58.024	ug/l # 1
18) Methyl Acetate	2.51	43	435	1913.712	ug/l 90
19) Methyl tert-butyl Ether	2.49	73	640	494.462	ug/l 93
20) Methylene Chloride	2.27	84	487	Below Cal	# 8
21) trans-1,2-Dichloroethene	2.45	96	296	404.031	ug/l # 26
22) Diisopropyl ether	2.96	45	840	485.684	ug/l # 69
23) Vinyl Acetate	3.39	43	1235	1305.510	ug/l # 15
24) 1,1-Dichloroethane	2.99	63	494	375.212	ug/l # 86
25) 2-Butanone	4.47	43	1645	5933.331	ug/l 99
26) 2,2-Dichloropropane	3.80	77	426	599.531	ug/l 96
27) cis-1,2-Dichloroethene	3.65	96	719	694.641	ug/l 20
28) Bromochloromethane	3.93	49	270	364.831	ug/l # 76
29) Tetrahydrofuran	4.52	42	762	6494.873	ug/l 96
30) Chloroform	4.07	83	228	144.320	ug/l 100
31) Cyclohexane	3.91	56	209	152.310	ug/l # 19
32) 1,1,1-Trichloroethane	4.28	97	147	138.044	ug/l # 64
36) 1,1-Dichloropropene	4.60	75	724	245.368	ug/l # 55
37) Ethyl Acetate	4.47	43	1645	1356.655	ug/l # 39
38) Carbon Tetrachloride	4.31	117	138	57.013	ug/l # 19

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	328	94.942	ug/l	98
40) Benzene	4.95	78	615	73.263	ug/l #	56
41) Methacrylonitrile	5.09	41	561	817.020	ug/l #	42
42) 1,2-Dichloroethane	5.27	62	271	152.134	ug/l	71
43) Isopropyl Acetate	7.25	43	1845	1285.854	ug/l #	40
44) Trichloroethene	5.86	130	62	27.349	ug/l	45
45) 1,2-Dichloropropane	6.60	63	146	69.098	ug/l #	42
46) Dibromomethane	6.43	93	298	252.260	ug/l #	5
47) Bromodichloromethane	6.72	83	896	352.820	ug/l #	15
48) Methyl methacrylate	7.01	41	2511	3197.134	ug/l #	58
49) 1,4-Dioxane	7.02	88	72	6956.745	ug/l #	1
51) 4-Methyl-2-Pentanone	8.56	43	479	455.603	ug/l	97
52) Toluene	7.96	92	98	23.257	ug/l #	30
53) t-1,3-Dichloropropene	8.59	75	254	126.603	ug/l #	1
54) cis-1,3-Dichloropropene	7.67	75	95	33.508	ug/l #	1
55) 1,1,2-Trichloroethane	8.81	97	468	370.934	ug/l #	1
56) Ethyl methacrylate	8.99	69	571	412.927	ug/l #	1
57) 1,3-Dichloropropane	9.19	76	176	84.518	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.65	63	302	697.997	ug/l #	53
59) 2-Hexanone	9.95	43	905	1303.355	ug/l	79
60) Dibromochloromethane	8.97	129	71	44.292	ug/l	79
61) 1,2-Dibromoethane	9.35	107	64	50.577	ug/l #	3
64) Tetrachloroethene	8.33	164	290	86.221	ug/l #	1
65) Chlorobenzene	9.97	112	174	19.663	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.07	131	153	42.095	ug/l #	25
67) Ethyl Benzene	10.05	91	309	19.654	ug/l #	44
68) m/p-Xylenes	10.30	106	91	16.330	ug/l #	1
69) o-Xylene	10.92	106	195	33.358	ug/l	44
70) Styrene	10.92	104	442	49.761	ug/l #	1
71) Bromoform	10.90	173	67	39.150	ug/l #	29
73) Isopropylbenzene	11.21	105	278	51.683	ug/l #	48
74) N-amyl acetate	11.02	43	913	699.041	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.79	83	118	107.082	ug/l #	25
76) 1,2,3-Trichloropropane	11.82	75	368	520.914	ug/l	92
77) Bromobenzene	11.60	156	135	111.061	ug/l #	28
78) n-propylbenzene	11.71	91	86	13.442	ug/l #	52
79) 2-Chlorotoluene	11.77	91	443	125.463	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.93	105	130	30.875	ug/l #	54
81) trans-1,4-Dichloro-2-buten	11.94	75	192	637.641	ug/l #	1
82) 4-Chlorotoluene	12.00	91	455	131.789	ug/l #	40
83) tert-Butylbenzene	12.19	119	157	35.647	ug/l #	34
84) 1,2,4-Trimethylbenzene	12.28	105	67	16.199	ug/l #	27
85) sec-Butylbenzene	12.39	105	306	51.174	ug/l #	59
86) p-Isopropyltoluene	12.58	119	310	62.980	ug/l #	1
87) 1,3-Dichlorobenzene	12.49	146	60	25.237	ug/l #	23
88) 1,4-Dichlorobenzene	12.67	146	188	84.296	ug/l #	23
89) n-Butylbenzene	12.93	91	139	27.742	ug/l #	28
90) Hexachloroethane	13.00	117	443	351.355	ug/l #	21
91) 1,2-Dichlorobenzene	13.02	146	92	43.619	ug/l #	43
92) 1,2-Dibromo-3-Chloropropan	13.70	75	516	3812.100	ug/l #	1

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93) 1,2,4-Trichlorobenzene	14.33	180	98	66.817	ug/l #	3
94) Hexachlorobutadiene	14.20	225	67	62.885	ug/l #	19
95) Naphthalene	14.47	128	264	110.587	ug/l #	32
96) 1,2,3-Trichlorobenzene	14.63	180	214	157.278	ug/l #	12

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

