

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062772.D
 Acq On : 28 May 2019 20:42
 Operator : FY/SY
 Sample : K3072-08
 Misc : 5.85g/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-8

Quant Time: May 29 01:50:44 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	5.08	168	7289	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.82	114	8371	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.98	117	409	50.00	ug/l	0.06
72) 1,4-Dichlorobenzene-d4	12.60	152	195	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.07	65	1407	27.32	ug/l	0.03
Spiked Amount	50.000		Recovery	=	54.64%	
35) Dibromofluoromethane	4.33	113	2135	33.33	ug/l	0.01
Spiked Amount	50.000		Recovery	=	66.66%	
50) Toluene-d8	7.73	98	2276	14.88	ug/l	0.01
Spiked Amount	50.000		Recovery	=	29.76%	
62) 4-Bromofluorobenzene	11.55	95	373	6.43	ug/l	0.05
Spiked Amount	50.000		Recovery	=	12.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.84	85	152	1.532	ug/l	86
3) Chloromethane	1.10	50	526	5.759	ug/l	91
4) Vinyl Chloride	1.20	62	153	1.820	ug/l #	41
5) Bromomethane	1.38	94	816	17.742	ug/l	85
6) Chloroethane	1.37	64	237	7.676	ug/l	95
7) Trichlorofluoromethane	1.53	101	272	2.410	ug/l #	74
8) Diethyl Ether	1.70	74	322	14.399	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.95	101	130	1.809	ug/l #	19
11) Tert butyl alcohol	2.70	59	224	65.871	ug/l #	1
12) 1,1-Dichloroethene	1.90	96	415	6.338	ug/l #	39
13) Acrolein	2.09	56	1060	298.615	ug/l #	14
14) Allyl chloride	2.19	41	240	4.050	ug/l #	67
15) Acrylonitrile	2.96	53	155	16.159	ug/l	87
16) Acetone	2.37	43	218	16.314	ug/l #	78
17) Carbon Disulfide	1.91	76	347	1.788	ug/l #	13
18) Methyl Acetate	2.49	43	1659	79.005	ug/l #	52
19) Methyl tert-butyl Ether	2.54	73	185	1.580	ug/l #	39
20) Methylene Chloride	2.38	84	267	3.986	ug/l #	31
21) trans-1,2-Dichloroethene	2.43	96	307	4.797	ug/l #	1
22) Diisopropyl ether	2.95	45	756	5.172	ug/l #	1
23) Vinyl Acetate	3.34	43	268	2.718	ug/l #	73
24) 1,1-Dichloroethane	3.02	63	177	1.651	ug/l #	86
25) 2-Butanone	4.59	43	2173	76.114	ug/l	95
26) 2,2-Dichloropropane	3.92	77	675	11.002	ug/l	92
27) cis-1,2-Dichloroethene	3.67	96	1002	9.518	ug/l	33
28) Bromochloromethane	3.91	49	286	4.756	ug/l #	3
29) Tetrahydrofuran	4.34	42	717	62.062	ug/l	91
30) Chloroform	3.94	83	327	2.197	ug/l	88
31) Cyclohexane	3.92	56	637	4.424	ug/l #	52
32) 1,1,1-Trichloroethane	4.30	97	494	4.997	ug/l #	50
36) 1,1-Dichloropropene	4.52	75	208	2.425	ug/l #	19
37) Ethyl Acetate	4.36	43	726	20.729	ug/l #	9
38) Carbon Tetrachloride	4.24	117	248	3.844	ug/l #	12
39) Methylcyclohexane	5.69	83	180	1.744	ug/l #	20

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.89	78	659	2.820	ug/l #	65
41) Methacrylonitrile	4.94	41	1023	55.714	ug/l #	50
42) 1,2-Dichloroethane	5.14	62	415	8.906	ug/l	71
43) Isopropyl Acetate	7.14	43	459	10.116	ug/l #	43
44) Trichloroethene	5.76	130	323	4.918	ug/l	62
45) 1,2-Dichloropropane	6.45	63	77	1.305	ug/l #	1
46) Dibromomethane	6.26	93	184	5.397	ug/l #	20
48) Methyl methacrylate	6.90	41	1137	47.943	ug/l #	51
49) 1,4-Dioxane	6.91	88	75	246.912	ug/l #	1
51) 4-Methyl-2-Pentanone	8.45	43	1087	35.048	ug/l	97
52) Toluene	7.81	92	253	2.064	ug/l #	55
53) t-1,3-Dichloropropene	8.50	75	824	14.231	ug/l #	44
54) cis-1,3-Dichloropropene	7.52	75	337	4.158	ug/l #	1
55) 1,1,2-Trichloroethane	8.68	97	72	1.984	ug/l #	1
56) Ethyl methacrylate	8.80	69	438	10.132	ug/l #	29
57) 1,3-Dichloropropane	9.07	76	111	1.796	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.47	63	188	13.360	ug/l #	54
59) 2-Hexanone	9.77	43	1524	62.131	ug/l	95
60) Dibromochloromethane	8.88	129	223	4.715	ug/l	67
61) 1,2-Dibromoethane	9.33	107	64	1.661	ug/l	97
64) Tetrachloroethene	8.31	164	85	26.233	ug/l #	46
65) Chlorobenzene	9.92	112	205	25.519	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.11	131	150	46.513	ug/l #	1
67) Ethyl Benzene	10.02	91	364	26.083	ug/l #	42
68) m/p-Xylenes	10.28	106	78	14.871	ug/l	86
69) o-Xylene	10.72	106	157	29.061	ug/l	40
70) Styrene	10.88	104	185	22.530	ug/l #	1
71) Bromoform	10.92	173	186	115.160	ug/l #	75
73) Isopropylbenzene	11.20	105	130	9.302	ug/l #	45
74) N-amyl acetate	11.49	43	527	160.081	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	11.75	83	120	42.014	ug/l #	23
76) 1,2,3-Trichloropropane	11.87	75	158	84.191	ug/l #	1
77) Bromobenzene	11.43	156	121	34.830	ug/l	72
78) n-propylbenzene	11.69	91	202	12.213	ug/l #	72
79) 2-Chlorotoluene	11.79	91	232	24.889	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.96	105	139	12.403	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.82	75	483	578.997	ug/l	87
82) 4-Chlorotoluene	11.82	91	377	41.013	ug/l	69
83) tert-Butylbenzene	12.23	119	70	6.157	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.25	105	114	10.510	ug/l #	25
85) sec-Butylbenzene	12.39	105	232	15.205	ug/l #	54
86) p-Isopropyltoluene	12.51	119	93	7.232	ug/l #	20
87) 1,3-Dichlorobenzene	12.49	146	471	74.938	ug/l #	44
88) 1,4-Dichlorobenzene	12.64	146	68	11.529	ug/l #	24
89) n-Butylbenzene	12.89	91	199	15.696	ug/l #	64
90) Hexachloroethane	12.87	117	79	25.610	ug/l	78
91) 1,2-Dichlorobenzene	13.00	146	75	13.387	ug/l #	45
92) 1,2-Dibromo-3-Chloropropan	13.70	75	140	410.881	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.23	180	115	28.676	ug/l #	81
94) Hexachlorobutadiene	14.22	225	82	29.300	ug/l #	16

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.50	128	67	9.196	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.68	180	79	20.797	ug/l #	11

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

