

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062867.D
 Acq On : 5 Jun 2019 16:06
 Operator : FY/SY
 Sample : K3183-11RE
 Misc : 5.87g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-4RE

Quant Time: Jun 06 08:02:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	29780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	32773	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.93	117	15021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	449	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	3387	16.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.90%	
35) Dibromofluoromethane	4.32	113	6627	26.76	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	53.52%	
50) Toluene-d8	7.73	98	19943	31.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.70%	
62) 4-Bromofluorobenzene	11.52	95	786	3.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	6.98%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	0.91	85	214	Below Cal	71
3) Chloromethane	1.23	50	1027	3.333 ug/l	96
4) Vinyl Chloride	1.33	62	313	1.022 ug/l	94
5) Bromomethane	1.42	94	553	3.167 ug/l	85
6) Chloroethane	1.30	64	355	3.101 ug/l	93
8) Diethyl Ether	1.74	74	160	1.876 ug/l	94
11) Tert butyl alcohol	2.73	59	371	29.739 ug/l #	25
12) 1,1-Dichloroethene	1.91	96	921	3.722 ug/l #	26
13) Acrolein	2.08	56	646	125.550 ug/l #	64
14) Allyl chloride	2.23	41	1199	6.245 ug/l #	61
15) Acrylonitrile	3.12	53	431	9.194 ug/l #	81
16) Acetone	2.26	43	1020	21.641 ug/l	93
18) Methyl Acetate	2.40	43	1134	13.768 ug/l	91
19) Methyl tert-butyl Ether	2.55	73	1338	2.984 ug/l #	85
20) Methylene Chloride	2.37	84	401	Below Cal #	78
21) trans-1,2-Dichloroethene	2.41	96	620	2.499 ug/l #	30
22) Diisopropyl ether	2.92	45	936	1.716 ug/l #	51
25) 2-Butanone	4.50	43	384	3.498 ug/l #	48
29) Tetrahydrofuran	4.31	42	380	9.052 ug/l #	38
30) Chloroform	4.06	83	875	1.524 ug/l #	15
31) Cyclohexane	3.89	56	587	1.065 ug/l #	41
37) Ethyl Acetate	4.32	43	1915	16.604 ug/l #	40
38) Carbon Tetrachloride	4.18	117	352	1.726 ug/l #	1
41) Methacrylonitrile	4.94	41	437	6.816 ug/l #	64
42) 1,2-Dichloroethane	5.16	62	519	3.108 ug/l	69
43) Isopropyl Acetate	7.11	43	1319	8.657 ug/l #	38
45) 1,2-Dichloropropane	6.44	63	366	1.661 ug/l #	85
48) Methyl methacrylate	6.88	41	672	8.559 ug/l #	42
49) 1,4-Dioxane	6.87	88	422	407.748 ug/l #	16
51) 4-Methyl-2-Pentanone	8.41	43	1107	10.177 ug/l #	32
53) t-1,3-Dichloropropene	8.42	75	436	2.008 ug/l #	2
55) 1,1,2-Trichloroethane	8.62	97	379	2.682 ug/l #	33
56) Ethyl methacrylate	8.78	69	195	1.286 ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.45	63	92	1.736 ug/l #	51

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

59) 2-Hexanone	9.61	43	1385	17.864	ug/l	71
60) Dibromochloromethane	8.74	129	235	1.343	ug/l	85
61) 1,2-Dibromoethane	8.99	107	170	1.159	ug/l	99
64) Tetrachloroethene	8.33	164	159	1.377	ug/l #	16
65) Chlorobenzene	9.97	112	420	1.448	ug/l #	60
66) 1,1,1,2-Tetrachloroethane	10.10	131	517	4.475	ug/l #	36
67) Ethyl Benzene	10.02	91	698	1.402	ug/l #	54
71) Bromoform	10.96	173	63	1.137	ug/l #	28
73) Isopropylbenzene	11.19	105	269	8.586	ug/l	91
74) N-amyl acetate	11.49	43	1077	121.971	ug/l #	33
75) 1,1,2,2-Tetrachloroethane	11.77	83	296	44.242	ug/l #	53
76) 1,2,3-Trichloropropane	11.75	75	270	60.882	ug/l	91
77) Bromobenzene	11.54	156	96	12.195	ug/l	84
78) n-propylbenzene	11.71	91	323	8.539	ug/l	97
79) 2-Chlorotoluene	11.86	91	397	18.341	ug/l	83
80) 1,3,5-Trimethylbenzene	11.94	105	334	13.036	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.93	75	248	132.086	ug/l #	61
82) 4-Chlorotoluene	11.92	91	194	9.120	ug/l	81
83) tert-Butylbenzene	12.22	119	143	5.633	ug/l #	8
84) 1,2,4-Trimethylbenzene	12.26	105	133	5.475	ug/l #	1
85) sec-Butylbenzene	12.36	105	80	2.391	ug/l #	1
86) p-Isopropyltoluene	12.53	119	67	2.406	ug/l #	19
87) 1,3-Dichlorobenzene	12.54	146	66	4.754	ug/l #	1
88) 1,4-Dichlorobenzene	12.62	146	72	5.557	ug/l #	1
89) n-Butylbenzene	12.92	91	242	8.640	ug/l #	24
90) Hexachloroethane	13.05	117	62	9.130	ug/l	77
91) 1,2-Dichlorobenzene	13.07	146	80	6.556	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.70	75	131	179.722	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.09	180	151	18.023	ug/l	82
94) Hexachlorobutadiene	14.22	225	66	11.387	ug/l #	19
95) Naphthalene	14.50	128	63	4.590	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.62	180	68	8.891	ug/l #	11

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

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