

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050719\
 Data File : VF062369.D
 Acq On : 7 May 2019 20:40
 Operator : FY/SY
 Sample : K2668-01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1

Quant Time: May 08 01:17:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	10373	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.75	114	8890	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	4643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	652	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	1749	17.84	ug/l	-0.02
Spiked Amount			Recovery	=	35.68%	
35) Dibromofluoromethane	4.29	113	1771	25.01	ug/l	-0.02
Spiked Amount			Recovery	=	50.02%	
50) Toluene-d8	7.70	98	7408	43.21	ug/l	0.00
Spiked Amount			Recovery	=	86.42%	
62) 4-Bromofluorobenzene	11.48	95	2228	28.80	ug/l	0.00
Spiked Amount			Recovery	=	57.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	140	1.166	ug/l #	1
3) Chloromethane	1.17	50	337	4.256	ug/l #	42
5) Bromomethane	1.43	94	706	9.831	ug/l #	3
6) Chloroethane	1.55	64	93	2.342	ug/l #	44
8) Diethyl Ether	1.84	74	135	5.445	ug/l	93
11) Tert butyl alcohol	2.68	59	66	11.913	ug/l #	70
12) 1,1-Dichloroethene	1.86	96	99	1.245	ug/l #	1
13) Acrolein	2.07	56	360	91.758	ug/l #	1
14) Allyl chloride	2.20	41	1075	15.302	ug/l #	15
15) Acrylonitrile	3.11	53	160	15.246	ug/l #	1
16) Acetone	2.32	43	742	37.417	ug/l #	62
18) Methyl Acetate	2.43	43	976	25.450	ug/l #	58
19) Methyl tert-butyl Ether	2.53	73	362	2.205	ug/l #	61
20) Methylene Chloride	2.38	84	170	2.369	ug/l #	1
21) trans-1,2-Dichloroethene	2.41	96	219	2.890	ug/l #	15
22) Diisopropyl ether	2.93	45	533	2.428	ug/l #	32
23) Vinyl Acetate	3.31	43	854	8.727	ug/l #	79
25) 2-Butanone	4.47	43	337	13.527	ug/l #	60
26) 2,2-Dichloropropane	3.63	77	613	8.272	ug/l	93
27) cis-1,2-Dichloroethene	3.64	96	239	2.523	ug/l #	10
28) Bromochloromethane	3.72	49	67	1.113	ug/l #	1
29) Tetrahydrofuran	4.24	42	631	55.108	ug/l #	36
30) Chloroform	4.03	83	180	1.004	ug/l #	19
31) Cyclohexane	3.86	56	293	2.766	ug/l #	58
37) Ethyl Acetate	4.31	43	591	16.325	ug/l #	64
39) Methylcyclohexane	5.54	83	99	1.293	ug/l #	14
40) Benzene	4.76	78	518	3.080	ug/l #	1
41) Methacrylonitrile	4.92	41	1053	57.504	ug/l #	58
42) 1,2-Dichloroethane	5.31	62	80	1.137	ug/l #	82
43) Isopropyl Acetate	7.11	43	1170	33.683	ug/l #	63
44) Trichloroethene	5.69	130	64	1.036	ug/l	2
45) 1,2-Dichloropropane	6.38	63	152	3.991	ug/l #	43
46) Dibromomethane	6.21	93	60	1.900	ug/l #	23
47) Bromodichloromethane	6.48	83	88	1.114	ug/l #	27

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

48) Methyl methacrylate	6.89	41	174	7.088	ug/l #	1
49) 1,4-Dioxane	6.81	88	65	247.627	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	854	32.445	ug/l #	53
53) t-1,3-Dichloropropene	8.41	75	175	2.930	ug/l #	55
54) cis-1,3-Dichloropropene	7.39	75	154	2.216	ug/l #	78
55) 1,1,2-Trichloroethane	8.67	97	89	2.702	ug/l #	46
56) Ethyl methacrylate	8.72	69	173	4.976	ug/l #	13
57) 1,3-Dichloropropane	9.01	76	72	1.447	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.42	63	70	6.697	ug/l #	42
59) 2-Hexanone	9.38	43	588	32.301	ug/l	76
60) Dibromochloromethane	8.83	129	63	1.170	ug/l #	11
61) 1,2-Dibromoethane	9.08	107	72	1.860	ug/l #	3
64) Tetrachloroethene	8.06	164	61	1.618	ug/l #	1
65) Chlorobenzene	9.91	112	146	1.901	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	9.87	131	61	1.574	ug/l #	1
67) Ethyl Benzene	10.02	91	530	3.940	ug/l #	47
68) m/p-Xylenes	10.24	106	342	6.891	ug/l #	61
69) o-Xylene	10.79	106	79	1.473	ug/l #	1
73) Isopropylbenzene	11.20	105	465	12.030	ug/l	82
74) N-amyl acetate	11.49	43	574	69.171	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	11.76	83	74	12.227	ug/l #	22
76) 1,2,3-Trichloropropane	11.87	75	444	96.159	ug/l #	100
77) Bromobenzene	11.60	156	228	22.476	ug/l #	1
78) n-propylbenzene	11.65	91	713	17.326	ug/l	83
79) 2-Chlorotoluene	11.79	91	472	18.445	ug/l #	62
80) 1,3,5-Trimethylbenzene	12.04	105	184	5.431	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	115	66.259	ug/l #	1
82) 4-Chlorotoluene	12.12	91	304	12.028	ug/l	77
83) tert-Butylbenzene	12.29	119	450	12.639	ug/l	82
84) 1,2,4-Trimethylbenzene	12.25	105	235	7.088	ug/l	96
85) sec-Butylbenzene	12.27	105	555	12.806	ug/l	93
86) p-Isopropyltoluene	12.52	119	339	8.419	ug/l #	50
87) 1,3-Dichlorobenzene	12.55	146	172	9.284	ug/l #	1
88) 1,4-Dichlorobenzene	12.62	146	62	3.467	ug/l #	46
89) n-Butylbenzene	13.07	91	397	11.082	ug/l	72
90) Hexachloroethane	12.97	117	160	15.915	ug/l #	3
91) 1,2-Dichlorobenzene	13.02	146	62	3.457	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.71	75	118	87.030	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.99	180	62	3.855	ug/l #	1
94) Hexachlorobutadiene	14.16	225	81	6.756	ug/l #	18
95) Naphthalene	14.46	128	1312	54.255	ug/l #	60
96) 1,2,3-Trichlorobenzene	14.61	180	73	4.685	ug/l #	11

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

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