

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062877.D
 Acq On : 6 Jun 2019 12:39
 Operator : FY/SY
 Sample : VF0606SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0606SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 4:03:56 PM

Quant Time: Jun 07 01:50:11 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	5.08	168	844809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1439461	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1163842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	562562	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.06	65	280930	48.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.18%	
35) Dibromofluoromethane	4.33	113	501472	46.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.20%	
50) Toluene-d8	7.73	98	1251613	45.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.00%	
62) 4-Bromofluorobenzene	11.50	95	444396	44.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	207811	19.077	ug/l	98
3) Chloromethane	1.15	50	169749	19.419	ug/l	99
4) Vinyl Chloride	1.19	62	168555	19.404	ug/l	100
5) Bromomethane	1.40	94	93870	18.949	ug/l	92
6) Chloroethane	1.45	64	59578	18.344	ug/l	93
7) Trichlorofluoromethane	1.57	101	250985	20.410	ug/l	91
8) Diethyl Ether	1.72	74	42428	17.537	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.92	101	157021	20.310	ug/l	97
10) Methyl Iodide	1.99	142	306174	19.751	ug/l	95
11) Tert butyl alcohol	2.72	59	35017	98.947	ug/l #	87
12) 1,1-Dichloroethene	1.88	96	132636	18.893	ug/l	93
13) Acrolein	2.12	56	12910m	85.945	ug/l	
14) Allyl chloride	2.21	41	110275	20.247	ug/l	98
15) Acrylonitrile	3.09	53	104930	78.907	ug/l	86
16) Acetone	2.37	43	131431	98.297	ug/l	97
17) Carbon Disulfide	1.93	76	393889	19.196	ug/l	98
18) Methyl Acetate	2.47	43	48294	20.669	ug/l	92
19) Methyl tert-butyl Ether	2.56	73	266639	20.964	ug/l	99
20) Methylene Chloride	2.37	84	149727m	20.607	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	148227	21.058	ug/l	93
22) Diisopropyl ether	2.96	45	300504	19.420	ug/l	93
23) Vinyl Acetate	3.36	43	1108602	104.650	ug/l	97
24) 1,1-Dichloroethane	3.03	63	241000	20.860	ug/l	98
25) 2-Butanone	4.55	43	315304	101.261	ug/l	96
26) 2,2-Dichloropropane	3.79	77	133116	20.292	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	231912	19.600	ug/l	90
28) Bromochloromethane	3.92	49	123981	19.728	ug/l	84
29) Tetrahydrofuran	4.30	42	132226	111.028	ug/l	96
30) Chloroform	4.07	83	338053	20.761	ug/l	94
31) Cyclohexane	3.89	56	304048	19.438	ug/l	89
32) 1,1,1-Trichloroethane	4.32	97	221704	23.386	ug/l	93
36) 1,1-Dichloropropene	4.49	75	255146	19.254	ug/l	97
37) Ethyl Acetate	4.33	43	127852	25.239	ug/l #	91
38) Carbon Tetrachloride	4.21	117	177415	19.810	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	309348	18.757	ug/l	97
40) Benzene	4.84	78	794366	20.597	ug/l	99
41) Methacrylonitrile	4.96	41	58962	20.938	ug/l	93
42) 1,2-Dichloroethane	5.15	62	141201	19.250	ug/l	92
43) Isopropyl Acetate	7.14	43	135169	20.199	ug/l #	100
44) Trichloroethene	5.71	130	219301	20.148	ug/l	98
45) 1,2-Dichloropropane	6.43	63	205608	21.244	ug/l	97
46) Dibromomethane	6.28	93	120229	21.277	ug/l	93
47) Bromodichloromethane	6.57	83	229503	19.943	ug/l	93
48) Methyl methacrylate	6.90	41	69808	20.242	ug/l	96
49) 1,4-Dioxane	6.90	88	17730	390.036	ug/l #	84
51) 4-Methyl-2-Pentanone	8.42	43	522845	109.440	ug/l	98
52) Toluene	7.80	92	436565	21.016	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	195187	20.469	ug/l	92
54) cis-1,3-Dichloropropene	7.48	75	277526	20.106	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	129352	20.844	ug/l	96
56) Ethyl methacrylate	8.77	69	129978	19.520	ug/l	99
57) 1,3-Dichloropropane	9.02	76	225487	22.250	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.47	63	267962	115.148	ug/l	100
59) 2-Hexanone	9.64	43	374116	109.865	ug/l	99
60) Dibromochloromethane	8.88	129	157831	20.543	ug/l	99
61) 1,2-Dibromoethane	9.15	107	135962	21.096	ug/l	93
64) Tetrachloroethene	8.32	164	171302	19.154	ug/l	92
65) Chlorobenzene	9.95	112	441865	19.660	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	170192	19.014	ug/l	98
67) Ethyl Benzene	10.04	91	766672	19.878	ug/l	95
68) m/p-Xylenes	10.27	106	540807	36.643	ug/l	81
69) o-Xylene	10.83	106	270726	18.117	ug/l	93
70) Styrene	10.90	104	421970	19.159	ug/l	98
71) Bromoform	10.89	173	81342	18.943	ug/l #	100
73) Isopropylbenzene	11.23	105	749396	19.091	ug/l	96
74) N-amyl acetate	11.46	43	214243	19.365	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	174748	20.846	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	115616	20.807	ug/l	93
77) Bromobenzene	11.59	156	188971	19.160	ug/l	85
78) n-propylbenzene	11.68	91	960205	20.259	ug/l	89
79) 2-Chlorotoluene	11.81	91	526611	19.418	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	601646	18.742	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	45114m	19.178	ug/l	
82) 4-Chlorotoluene	11.99	91	522620	19.609	ug/l	99
83) tert-Butylbenzene	12.21	119	541522	17.025	ug/l	90
84) 1,2,4-Trimethylbenzene	12.28	105	601146	19.751	ug/l	96
85) sec-Butylbenzene	12.38	105	844022	20.137	ug/l	97
86) p-Isopropyltoluene	12.53	119	703869	20.176	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	354988	20.409	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	311226	19.173	ug/l	99
89) n-Butylbenzene	12.90	91	712090	20.291	ug/l	88
90) Hexachloroethane	12.98	117	164014	19.276	ug/l	91
91) 1,2-Dichlorobenzene	13.01	146	306055	20.019	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17827	19.520	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	204040	19.437	ug/l	95
94) Hexachlorobutadiene	14.23	225	137559	18.942	ug/l	97
95) Naphthalene	14.50	128	286437	16.656	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	162371	16.945	ug/l	98

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

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