

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012319\
 Data File : VF061481.D
 Acq On : 23 Jan 2019 13:22
 Operator : VA/AP
 Sample : VF0123SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:56:54 PM

Quant Time: Jan 24 03:14:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	184620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	336376	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	295842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	147235	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	112576	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	4.10	113	130602	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	7.54	98	355860	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	11.40	95	150665	44.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	69639	19.197	ug/l	91
3) Chloromethane	1.09	50	57058	21.452	ug/l	97
4) Vinyl Chloride	1.14	62	51859	21.918	ug/l	99
5) Bromomethane	1.31	94	34962	22.660	ug/l	95
6) Chloroethane	1.40	64	22869	21.813	ug/l	98
7) Trichlorofluoromethane	1.49	101	88697	19.283	ug/l	95
8) Diethyl Ether	1.62	74	13253	22.486	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.84	101	49285	22.299	ug/l	93
10) Methyl Iodide	1.91	142	74662m	21.790	ug/l	
11) Tert butyl alcohol	2.57	59	10322	106.984	ug/l	98
12) 1,1-Dichloroethene	1.80	96	36425	22.183	ug/l	83
13) Acrolein	1.99	56	6817	88.975	ug/l	92
14) Allyl chloride	2.09	41	55678	30.729	ug/l	95
15) Acrylonitrile	2.94	53	31854	128.892	ug/l	95
16) Acetone	2.24	43	56424	123.394	ug/l	94
17) Carbon Disulfide	1.82	76	111446m	21.767	ug/l	
18) Methyl Acetate	2.33	43	18746	20.672	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	76504	20.784	ug/l	98
20) Methylene Chloride	2.18	84	39262m	24.394	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	40936	22.659	ug/l	96
22) Diisopropyl ether	2.80	45	135929	23.262	ug/l	93
23) Vinyl Acetate	3.18	43	323073	127.288	ug/l	99
24) 1,1-Dichloroethane	2.87	63	84965	23.167	ug/l	99
25) 2-Butanone	4.32	43	97240	127.877	ug/l	95
26) 2,2-Dichloropropane	3.59	77	47660	21.152	ug/l	98
27) cis-1,2-Dichloroethene	3.46	96	58453	21.919	ug/l	97
28) Bromochloromethane	3.71	49	35915	21.786	ug/l #	92
29) Tetrahydrofuran	4.07	42	36291	110.836	ug/l	97
30) Chloroform	3.85	83	108622	21.946	ug/l	99
31) Cyclohexane	3.68	56	85580m	23.361	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	68468	18.866	ug/l	96
36) 1,1-Dichloropropene	4.27	75	83443	21.395	ug/l	96
37) Ethyl Acetate	4.11	43	35229	22.597	ug/l #	63
38) Carbon Tetrachloride	3.98	117	63664	18.672	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	89046	21.068	ug/l	95
40) Benzene	4.62	78	186308	21.468	ug/l	100
41) Methacrylonitrile	4.74	41	17764	21.414	ug/l #	90
42) 1,2-Dichloroethane	4.93	62	57885	18.718	ug/l	94
43) Isopropyl Acetate	6.94	43	41347	21.131	ug/l #	96
44) Trichloroethene	5.49	130	58441	21.952	ug/l	95
45) 1,2-Dichloropropane	6.22	63	48592	21.334	ug/l	100
46) Dibromomethane	6.07	93	30583	20.193	ug/l	88
47) Bromodichloromethane	6.37	83	77222	20.608	ug/l	94
48) Methyl methacrylate	6.70	41	27530	20.953	ug/l	88
49) 1,4-Dioxane	6.70	88	4512	454.062	ug/l #	89
51) 4-Methyl-2-Pentanone	8.24	43	162360	112.871	ug/l	99
52) Toluene	7.61	92	115526	20.214	ug/l	95
53) t-1,3-Dichloropropene	8.26	75	61698	20.735	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	79466	21.366	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	34690	21.375	ug/l	97
56) Ethyl methacrylate	8.61	69	36149	19.145	ug/l	97
57) 1,3-Dichloropropane	8.84	76	60289	19.819	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	20431	119.349	ug/l	95
59) 2-Hexanone	9.48	43	125935	125.551	ug/l	95
60) Dibromochloromethane	8.71	129	47784	20.140	ug/l	99
61) 1,2-Dibromoethane	8.97	107	37962	20.433	ug/l	98
64) Tetrachloroethene	8.14	164	46647	20.967	ug/l	91
65) Chlorobenzene	9.78	112	129165	21.470	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.92	131	51929	21.668	ug/l	98
67) Ethyl Benzene	9.89	91	248884	22.643	ug/l	97
68) m/p-Xylenes	10.12	106	174033	44.021	ug/l	96
69) o-Xylene	10.70	106	92196	21.517	ug/l	98
70) Styrene	10.78	104	129958	22.158	ug/l	99
71) Bromoform	10.76	173	23308	21.645	ug/l	96
73) Isopropylbenzene	11.11	105	288154	24.063	ug/l	100
74) N-amyl acetate	11.36	43	72043	25.442	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.69	83	49874	23.379	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	35565	23.202	ug/l	99
77) Bromobenzene	11.49	156	55680	22.017	ug/l	100
78) n-propylbenzene	11.59	91	338176	21.743	ug/l	98
79) 2-Chlorotoluene	11.71	91	192069	23.117	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	223788	23.157	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	12515m	18.781	ug/l	
82) 4-Chlorotoluene	11.89	91	178602	21.302	ug/l	98
83) tert-Butylbenzene	12.12	119	244309	24.425	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	215337	21.632	ug/l	95
85) sec-Butylbenzene	12.30	105	330408	24.324	ug/l	96
86) p-Isopropyltoluene	12.45	119	258474	23.180	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	112573	21.217	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	104672	21.903	ug/l	99
89) n-Butylbenzene	12.84	91	285302	24.810	ug/l	98
90) Hexachloroethane	12.91	117	62915	23.936	ug/l	98
91) 1,2-Dichlorobenzene	12.94	146	109440	23.133	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8210	21.698	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	71721	21.641	ug/l	97
94) Hexachlorobutadiene	14.18	225	42487	20.660	ug/l	98
95) Naphthalene	14.45	128	124763	19.814	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	64357	20.978	ug/l	98

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

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