

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
 Data File : VF061634.D
 Acq On : 14 Feb 2019 12:13
 Operator : VA/AP
 Sample : VF0214SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0214SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 12:11:35 AM

Quant Time: Feb 15 01:18:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	308173	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	467518	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	378821	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	214586	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	116465	51.54	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.08%	
35) Dibromofluoromethane	4.10	113	171905	49.51	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	99.02%	
50) Toluene-d8	7.54	98	507904	50.89	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.78%	
62) 4-Bromofluorobenzene	11.41	95	197228	48.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	90650	25.614	ug/l	100
3) Chloromethane	1.09	50	89548	24.116	ug/l	98
4) Vinyl Chloride	1.13	62	83515	24.194	ug/l	99
5) Bromomethane	1.31	94	56393	23.737	ug/l	95
6) Chloroethane	1.40	64	37033	21.770	ug/l	93
7) Trichlorofluoromethane	1.47	101	91198m	21.904	ug/l	
8) Diethyl Ether	1.63	74	22186	21.145	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.84	101	67044	22.322	ug/l	93
10) Methyl Iodide	1.90	142	126987m	22.133	ug/l	
11) Tert butyl alcohol	2.56	59	13205	100.965	ug/l	96
12) 1,1-Dichloroethene	1.79	96	64310	24.353	ug/l	99
13) Acrolein	1.99	56	16460	100.136	ug/l	99
14) Allyl chloride	2.09	41	71246	21.986	ug/l	97
15) Acrylonitrile	2.94	53	46123	99.423	ug/l	97
16) Acetone	2.23	43	54649	112.709	ug/l	96
17) Carbon Disulfide	1.80	76	188044m	22.654	ug/l	
18) Methyl Acetate	2.35	43	21355	19.551	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	100627	22.296	ug/l #	91
20) Methylene Chloride	2.17	84	70199m	25.799	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	54234	18.892	ug/l	99
22) Diisopropyl ether	2.79	45	170273	21.890	ug/l	100
23) Vinyl Acetate	3.17	43	392511	103.313	ug/l	96
24) 1,1-Dichloroethane	2.86	63	101464	21.555	ug/l	99
25) 2-Butanone	4.32	43	110723	104.544	ug/l	99
26) 2,2-Dichloropropane	3.60	77	44359	22.247	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	81053	21.511	ug/l	97
28) Bromochloromethane	3.71	49	46382	20.536	ug/l #	96
29) Tetrahydrofuran	4.06	42	45434	94.384	ug/l	97
30) Chloroform	3.85	83	114032	21.301	ug/l	100
31) Cyclohexane	3.68	56	117823m	23.121	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	68621	19.568	ug/l	94
36) 1,1-Dichloropropene	4.27	75	95708	20.665	ug/l	96
37) Ethyl Acetate	4.10	43	38135	17.728	ug/l #	82
38) Carbon Tetrachloride	3.98	117	66873	20.911	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	117640	21.478	ug/l	99
40) Benzene	4.62	78	268665	22.178	ug/l	95
41) Methacrylonitrile	4.74	41	21332	19.391	ug/l	96
42) 1,2-Dichloroethane	4.93	62	56372	19.454	ug/l	95
43) Isopropyl Acetate	6.95	43	45622	17.917	ug/l #	92
44) Trichloroethene	5.49	130	85845	21.914	ug/l	93
45) 1,2-Dichloropropane	6.23	63	61982	21.167	ug/l	94
46) Dibromomethane	6.08	93	36642	20.324	ug/l	89
47) Bromodichloromethane	6.38	83	80604	20.416	ug/l	97
48) Methyl methacrylate	6.71	41	28276	18.453	ug/l	94
49) 1,4-Dioxane	6.70	88	5337	370.506	ug/l #	85
51) 4-Methyl-2-Pentanone	8.25	43	174906	96.134	ug/l	99
52) Toluene	7.61	92	148320	20.188	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	65282	19.867	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	93925	21.460	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	41256	19.112	ug/l	93
56) Ethyl methacrylate	8.62	69	43008	17.895	ug/l	97
57) 1,3-Dichloropropane	8.84	76	72776	20.199	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.29	63	35729	86.165	ug/l	96
59) 2-Hexanone	9.48	43	124700	97.777	ug/l	95
60) Dibromochloromethane	8.71	129	57995	19.303	ug/l	93
61) 1,2-Dibromoethane	8.98	107	45942	19.622	ug/l	94
64) Tetrachloroethene	8.14	164	71588	23.120	ug/l	99
65) Chlorobenzene	9.79	112	170957	22.239	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	68790	22.837	ug/l	99
67) Ethyl Benzene	9.89	91	286710	22.428	ug/l	100
68) m/p-Xylenes	10.13	106	230710	47.156	ug/l	99
69) o-Xylene	10.71	106	127251	24.375	ug/l	97
70) Styrene	10.79	104	161603	21.882	ug/l	98
71) Bromoform	10.77	173	33385	20.410	ug/l	99
73) Isopropylbenzene	11.12	105	352376	23.064	ug/l	98
74) N-amyl acetate	11.37	43	76310	20.809	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	53349	19.491	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	36061	19.378	ug/l	88
77) Bromobenzene	11.49	156	80490	21.325	ug/l	89
78) n-propylbenzene	11.58	91	405070	23.104	ug/l	96
79) 2-Chlorotoluene	11.71	91	217416	22.143	ug/l	94
80) 1,3,5-Trimethylbenzene	11.82	105	282348	23.123	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.86	75	17023m	19.081	ug/l	
82) 4-Chlorotoluene	11.89	91	223746	21.954	ug/l	91
83) tert-Butylbenzene	12.13	119	307177	22.712	ug/l	100
84) 1,2,4-Trimethylbenzene	12.20	105	280267	23.103	ug/l	97
85) sec-Butylbenzene	12.30	105	401494	22.956	ug/l	99
86) p-Isopropyltoluene	12.45	119	347863	23.699	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	158689	21.566	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	154545	21.839	ug/l	98
89) n-Butylbenzene	12.84	91	334411	24.127	ug/l	99
90) Hexachloroethane	12.91	117	73442	21.514	ug/l	79
91) 1,2-Dichlorobenzene	12.94	146	153827	21.979	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8330	19.195	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	112794	22.484	ug/l	97
94) Hexachlorobutadiene	14.19	225	70580	22.781	ug/l	97
95) Naphthalene	14.45	128	173986	19.823	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	99421	21.592	ug/l	99

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

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