

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061494.D
 Acq On : 24 Jan 2019 12:18
 Operator : VA/AP
 Sample : VF0124SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:26:28 AM

Quant Time: Jan 25 04:30:46 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	4.90	168	212180	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.63	114	385501	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.81	117	319008	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.58	152	161502	50.00	ug/l	0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	107009	40.85	ug/l	0.04
Spiked Amount	50.000		Recovery	=	81.70%	
35) Dibromofluoromethane	4.14	113	134028	44.06	ug/l	0.04
Spiked Amount	50.000		Recovery	=	88.12%	
50) Toluene-d8	7.59	98	354529	42.54	ug/l	0.04
Spiked Amount	50.000		Recovery	=	85.08%	
62) 4-Bromofluorobenzene	11.43	95	160602	41.24	ug/l	0.03
Spiked Amount	50.000		Recovery	=	82.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	66502	15.951	ug/l	93
3) Chloromethane	1.11	50	58405	19.106	ug/l	95
4) Vinyl Chloride	1.16	62	47315	17.400	ug/l	94
5) Bromomethane	1.34	94	28793	16.238	ug/l	95
6) Chloroethane	1.40	64	22377	18.571	ug/l	93
7) Trichlorofluoromethane	1.49	101	80860m	15.296	ug/l	
8) Diethyl Ether	1.65	74	13013	19.211	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.86	101	40888	16.097	ug/l	93
10) Methyl Iodide	1.92	142	67875m	17.237	ug/l	
11) Tert butyl alcohol	2.60	59	9906	89.336	ug/l #	83
12) 1,1-Dichloroethene	1.82	96	33133	17.557	ug/l	92
13) Acrolein	2.02	56	6199	72.558	ug/l	93
14) Allyl chloride	2.11	41	50730	21.520	ug/l	90
15) Acrylonitrile	2.97	53	23785	83.741	ug/l	94
16) Acetone	2.26	43	63990	121.763	ug/l	98
17) Carbon Disulfide	1.86	76	100119m	17.015	ug/l	
18) Methyl Acetate	2.37	43	19748	18.948	ug/l	98
19) Methyl tert-butyl Ether	2.46	73	73487	17.371	ug/l	99
20) Methylene Chloride	2.20	84	37265m	19.829	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	35046	16.879	ug/l	94
22) Diisopropyl ether	2.83	45	130192	19.386	ug/l	95
23) Vinyl Acetate	3.22	43	299248	103.207	ug/l	98
24) 1,1-Dichloroethane	2.89	63	73472	17.432	ug/l	97
25) 2-Butanone	4.37	43	98787	113.037	ug/l	98
26) 2,2-Dichloropropane	3.63	77	45439	17.547	ug/l	98
27) cis-1,2-Dichloroethene	3.50	96	57843	18.873	ug/l	94
28) Bromochloromethane	3.76	49	34449	18.183	ug/l	98
29) Tetrahydrofuran	4.10	42	38999	103.635	ug/l	98
30) Chloroform	3.89	83	107789	18.949	ug/l	100
31) Cyclohexane	3.72	56	82756m	19.656	ug/l	
32) 1,1,1-Trichloroethane	4.13	97	65115	15.612	ug/l	97
36) 1,1-Dichloropropene	4.31	75	82388	18.433	ug/l	95
37) Ethyl Acetate	4.14	43	34059	19.063	ug/l #	82
38) Carbon Tetrachloride	4.03	117	61445	15.725	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	83142	17.164	ug/l	95
40) Benzene	4.67	78	187589	18.861	ug/l	99
41) Methacrylonitrile	4.78	41	18539	19.500	ug/l #	88
42) 1,2-Dichloroethane	4.97	62	62328	17.586	ug/l	96
43) Isopropyl Acetate	7.00	43	40198	17.926	ug/l #	98
44) Trichloroethene	5.54	130	56048	18.370	ug/l	97
45) 1,2-Dichloropropane	6.27	63	48239	18.480	ug/l	99
46) Dibromomethane	6.12	93	29173	16.808	ug/l	94
47) Bromodichloromethane	6.42	83	75672	17.621	ug/l	97
48) Methyl methacrylate	6.75	41	28263	18.770	ug/l	97
49) 1,4-Dioxane	6.75	88	4340	369.111	ug/l	89
51) 4-Methyl-2-Pentanone	8.29	43	153102	92.872	ug/l	98
52) Toluene	7.66	92	119001	18.169	ug/l	97
53) t-1,3-Dichloropropene	8.31	75	60358	17.700	ug/l	94
54) cis-1,3-Dichloropropene	7.33	75	79552	18.663	ug/l	98
55) 1,1,2-Trichloroethane	8.52	97	34320	18.452	ug/l	92
56) Ethyl methacrylate	8.65	69	36574	16.902	ug/l	87
57) 1,3-Dichloropropane	8.89	76	60707	17.414	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.33	63	29475	143.117	ug/l	99
59) 2-Hexanone	9.52	43	122154	106.262	ug/l	91
60) Dibromochloromethane	8.75	129	49610	18.245	ug/l	95
61) 1,2-Dibromoethane	9.02	107	36688	17.231	ug/l	99
64) Tetrachloroethene	8.19	164	45834	19.106	ug/l	96
65) Chlorobenzene	9.84	112	121182	18.680	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.96	131	50802	19.658	ug/l	95
67) Ethyl Benzene	9.93	91	230922	19.483	ug/l	98
68) m/p-Xylenes	10.16	106	168030	39.416	ug/l	92
69) o-Xylene	10.74	106	93080	20.146	ug/l	92
70) Styrene	10.81	104	129171	20.424	ug/l	100
71) Bromoform	10.80	173	24328	20.952	ug/l #	91
73) Isopropylbenzene	11.15	105	281203	21.408	ug/l	99
74) N-amyl acetate	11.39	43	69894	22.503	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.72	83	48763	20.839	ug/l	96
76) 1,2,3-Trichloropropane	11.82	75	35378	21.041	ug/l	98
77) Bromobenzene	11.52	156	56054	20.207	ug/l	95
78) n-propylbenzene	11.62	91	327054	19.077	ug/l	99
79) 2-Chlorotoluene	11.74	91	181633	19.930	ug/l	100
80) 1,3,5-Trimethylbenzene	11.85	105	225252	21.250	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	14760m	20.194	ug/l	
82) 4-Chlorotoluene	11.93	91	189684	20.625	ug/l	98
83) tert-Butylbenzene	12.15	119	225864	20.586	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	218308	19.994	ug/l	97
85) sec-Butylbenzene	12.33	105	307316	20.626	ug/l	98
86) p-Isopropyltoluene	12.48	119	261626	21.390	ug/l	96
87) 1,3-Dichlorobenzene	12.50	146	111152	19.050	ug/l	100
88) 1,4-Dichlorobenzene	12.59	146	103947	19.830	ug/l	96
89) n-Butylbenzene	12.86	91	262381	20.801	ug/l	96
90) Hexachloroethane	12.94	117	60706	21.055	ug/l	97
91) 1,2-Dichlorobenzene	12.96	146	103290	19.904	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.66	75	7924	19.092	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	71826	19.758	ug/l	98
94) Hexachlorobutadiene	14.22	225	43036	19.078	ug/l	96
95) Naphthalene	14.48	128	128930	18.667	ug/l	96
96) 1,2,3-Trichlorobenzene	14.62	180	63490	18.867	ug/l	97

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

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