

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111218\
 Data File : VF060691.D
 Acq On : 12 Nov 2018 18:05
 Operator : VA/AP
 Sample : VF1112SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 2:11:04 PM

Quant Time: Nov 13 04:38:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	217345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	344018	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	326148	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	186381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	130657	59.50	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	119.00%	
35) Dibromofluoromethane	4.10	113	148104	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
50) Toluene-d8	7.54	98	414545	52.65	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	11.40	95	202913	58.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	117.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	82471	35.123	ug/l	96
3) Chloromethane	1.10	50	47451	24.945	ug/l	94
4) Vinyl Chloride	1.14	62	45174	25.772	ug/l #	85
5) Bromomethane	1.31	94	25398	25.814	ug/l	82
6) Chloroethane	1.37	64	16935	24.574	ug/l	98
7) Trichlorofluoromethane	1.48	101	94159	28.701	ug/l	86
8) Diethyl Ether	1.62	74	11496	18.907	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.81	101	48359	25.796	ug/l	95
10) Methyl Iodide	1.87	142	72712	23.569	ug/l #	80
11) Tert butyl alcohol	2.56	59	12259	102.599	ug/l #	84
12) 1,1-Dichloroethene	1.77	96	35397	22.418	ug/l	81
13) Acrolein	2.00	56	9593	114.986	ug/l	95
14) Allyl chloride	2.09	41	66303	25.717	ug/l	87
15) Acrylonitrile	2.93	53	25188	96.242	ug/l	97
16) Acetone	2.22	43	69738	134.770	ug/l	98
17) Carbon Disulfide	1.82	76	102217m	22.982	ug/l	
18) Methyl Acetate	2.33	43	17717	22.310	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	87267	23.643	ug/l	95
20) Methylene Chloride	2.18	84	42926	25.276	ug/l	97
21) trans-1,2-Dichloroethene	2.30	96	38605	23.305	ug/l	93
22) Diisopropyl ether	2.79	45	122545	22.434	ug/l	99
23) Vinyl Acetate	3.17	43	304380	92.743	ug/l	95
24) 1,1-Dichloroethane	2.87	63	77596	24.546	ug/l	98
25) 2-Butanone	4.32	43	110936	93.976	ug/l	94
26) 2,2-Dichloropropane	3.59	77	63980	27.048	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	65292	20.647	ug/l	96
28) Bromochloromethane	3.70	49	42524	21.434	ug/l	97
29) Tetrahydrofuran	4.06	42	34878	83.739	ug/l	96
30) Chloroform	3.84	83	116730	23.339	ug/l	97
31) Cyclohexane	3.68	56	91346	20.939	ug/l	98
32) 1,1,1-Trichloroethane	4.08	97	100704	28.829	ug/l	96
36) 1,1-Dichloropropene	4.27	75	89904	23.735	ug/l	97
37) Ethyl Acetate	4.09	43	32236	17.728	ug/l #	52
38) Carbon Tetrachloride	3.98	117	90455m	27.946	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	101426	21.942	ug/l	95
40) Benzene	4.62	78	204510	22.243	ug/l	96
41) Methacrylonitrile	4.72	41	21306	20.691	ug/l #	92
42) 1,2-Dichloroethane	4.94	62	61642	23.359	ug/l	98
43) Isopropyl Acetate	6.95	43	43269	18.812	ug/l #	99
44) Trichloroethene	5.49	130	63535	22.992	ug/l	97
45) 1,2-Dichloropropane	6.22	63	53195	22.621	ug/l	98
46) Dibromomethane	6.07	93	33966	22.768	ug/l #	87
47) Bromodichloromethane	6.37	83	86315	23.988	ug/l #	99
48) Methyl methacrylate	6.70	41	29269	20.248	ug/l	93
49) 1,4-Dioxane	6.68	88	5349	353.731	ug/l #	84
51) 4-Methyl-2-Pentanone	8.24	43	157474	101.814	ug/l	97
52) Toluene	7.61	92	132682	22.153	ug/l	93
53) t-1,3-Dichloropropene	8.26	75	69312	22.163	ug/l	99
54) cis-1,3-Dichloropropene	7.29	75	90832	22.987	ug/l	91
55) 1,1,2-Trichloroethane	8.48	97	38111	21.866	ug/l	92
56) Ethyl methacrylate	8.61	69	46258	20.629	ug/l	91
57) 1,3-Dichloropropane	8.84	76	72171	23.599	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.61	63	21224	138.678	ug/l	100
59) 2-Hexanone	9.48	43	135005	118.339	ug/l	94
60) Dibromochloromethane	8.71	129	55091	22.601	ug/l	97
61) 1,2-Dibromoethane	8.97	107	41471	22.627	ug/l	96
64) Tetrachloroethene	8.14	164	57103	22.340	ug/l	95
65) Chlorobenzene	9.78	112	146461	21.959	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	63779	22.631	ug/l	97
67) Ethyl Benzene	9.89	91	283787	23.447	ug/l	99
68) m/p-Xylenes	10.12	106	198479	43.533	ug/l	90
69) o-Xylene	10.70	106	114480	22.996	ug/l	91
70) Styrene	10.78	104	160355	22.233	ug/l	91
71) Bromoform	10.77	173	29400	20.199	ug/l #	94
73) Isopropylbenzene	11.11	105	352433	24.246	ug/l	92
74) N-amyl acetate	11.36	43	73482	17.648	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	56807	21.411	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	25543	19.590	ug/l	91
77) Bromobenzene	11.49	156	70091	22.037	ug/l	90
78) n-propylbenzene	11.59	91	405966	23.871	ug/l	99
79) 2-Chlorotoluene	11.71	91	223798	23.043	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	276433	23.072	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.86	75	19397m	18.929	ug/l	
82) 4-Chlorotoluene	11.89	91	236806	23.370	ug/l	100
83) tert-Butylbenzene	12.12	119	273316	22.330	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	276604	23.575	ug/l	97
85) sec-Butylbenzene	12.30	105	386680	22.965	ug/l	97
86) p-Isopropyltoluene	12.45	119	311882	22.493	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	133695	21.416	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	128342	21.675	ug/l	97
89) n-Butylbenzene	12.84	91	339668	22.648	ug/l	96
90) Hexachloroethane	12.91	117	77840	22.075	ug/l	79
91) 1,2-Dichlorobenzene	12.94	146	129705	22.208	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9098	19.738	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	90042	22.694	ug/l	93
94) Hexachlorobutadiene	14.18	225	58022	22.568	ug/l	94
95) Naphthalene	14.45	128	155598	19.593	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	84183	22.460	ug/l	96

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

