

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060818.D
 Acq On : 20 Nov 2018 22:31
 Operator : VA/AP
 Sample : J5977-10MSD
 Misc : 3.59g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MMTW-03(8-10)MSD

Manual Integrations
 APPROVED

apatel
 11/21/2018 2:41:16 PM

Quant Time: Nov 21 03:48:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	148654	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	255736	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	219758	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	92410	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	89542	52.81	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	4.12	113	108743	56.57	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	113.14%	
50) Toluene-d8	7.56	98	279573	57.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.40%	
62) 4-Bromofluorobenzene	11.42	95	108984	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	146466	55.05	ug/l	100
3) Chloromethane	1.10	50	98376	59.63	ug/l	96
4) Vinyl Chloride	1.14	62	90027	61.00	ug/l	99
5) Bromomethane	1.33	94	61928	66.05	ug/l	94
6) Chloroethane	1.38	64	40868	70.77	ug/l	92
7) Trichlorofluoromethane	1.49	101	193764	59.37	ug/l	97
8) Diethyl Ether	1.63	74	28432	67.99	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	95282	61.95	ug/l	96
10) Methyl Iodide	1.90	142	156091	63.25	ug/l	99
11) Tert butyl alcohol	2.57	59	25370	328.77	ug/l #	84
12) 1,1-Dichloroethene	1.79	96	76447	63.03	ug/l	89
13) Acrolein	2.00	56	14521	205.80	ug/l	94
14) Allyl chloride	2.10	41	129870	61.13	ug/l	88
15) Acrylonitrile	2.94	53	63060	383.50	ug/l	87
16) Acetone	2.24	43	122494	337.99	ug/l	97
17) Carbon Disulfide	1.83	76	201160	54.88	ug/l	95
18) Methyl Acetate	2.35	43	54408	91.43	ug/l	94
19) Methyl tert-butyl Ether	2.43	73	204235	70.20	ug/l	95
20) Methylene Chloride	2.19	84	78699m	66.27	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	75271	59.40	ug/l #	93
22) Diisopropyl ether	2.80	45	299690	73.06	ug/l	96
23) Vinyl Acetate	3.19	43	482193	249.64	ug/l	98
24) 1,1-Dichloroethane	2.88	63	174941	70.45	ug/l	98
25) 2-Butanone	4.34	43	201237	337.58	ug/l	99
26) 2,2-Dichloropropane	3.60	77	106803	54.65	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	124826	57.91	ug/l	96
28) Bromochloromethane	3.72	49	74434	57.67	ug/l	99
29) Tetrahydrofuran	4.08	42	88453	359.73	ug/l	98
30) Chloroform	3.86	83	236091	59.25	ug/l	99
31) Cyclohexane	3.70	56	168426	55.88	ug/l	99
32) 1,1,1-Trichloroethane	4.10	97	189128	60.28	ug/l	98
36) 1,1-Dichloropropene	4.29	75	160846	54.23	ug/l	98
37) Ethyl Acetate	4.12	43	76998	69.83	ug/l #	68
38) Carbon Tetrachloride	4.00	117	159367	55.38	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	153718	44.67	ug/l	98
40) Benzene	4.64	78	392876	59.42	ug/l	99
41) Methacrylonitrile	4.75	41	39033	67.95	ug/l	95
42) 1,2-Dichloroethane	4.95	62	132672	58.07	ug/l	98
43) Isopropyl Acetate	6.96	43	85975	58.81	ug/l	98
44) Trichloroethene	5.51	130	107348	51.46	ug/l	97
45) 1,2-Dichloropropane	6.24	63	102067	59.33	ug/l	97
46) Dibromomethane	6.09	93	67592	59.52	ug/l	96
47) Bromodichloromethane	6.39	83	171563	59.16	ug/l	98
48) Methyl methacrylate	6.72	41	61400	63.46	ug/l	94
49) 1,4-Dioxane	6.71	88	10371	1146.07	ug/l #	85
51) 4-Methyl-2-Pentanone	8.26	43	347549	328.69	ug/l	100
52) Toluene	7.63	92	248403	56.07	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	114412	49.26	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	158631	52.58	ug/l	100
55) 1,1,2-Trichloroethane	8.50	97	74286	58.68	ug/l	99
56) Ethyl methacrylate	8.63	69	82419	57.33	ug/l	98
57) 1,3-Dichloropropane	8.86	76	130783	59.61	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.63	63	36450	277.55	ug/l	100
59) 2-Hexanone	9.49	43	239262	321.98	ug/l	96
60) Dibromochloromethane	8.72	129	105035	58.22	ug/l	92
61) 1,2-Dibromoethane	8.99	107	75624	56.80	ug/l	99
64) Tetrachloroethene	8.16	164	98925	56.85	ug/l	98
65) Chlorobenzene	9.80	112	247903	55.90	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	119562	61.81	ug/l	99
67) Ethyl Benzene	9.91	91	451766	54.05	ug/l	98
68) m/p-Xylenes	10.14	106	316108	105.82	ug/l	93
69) o-Xylene	10.72	106	189046	56.29	ug/l	98
70) Styrene	10.80	104	217620	47.75	ug/l	96
71) Bromoform	10.78	173	53236	61.21	ug/l #	97
73) Isopropylbenzene	11.13	105	520018	69.91	ug/l	99
74) N-amyl acetate	11.38	43	143044	84.47	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.69	83	102381	83.25	ug/l	96
76) 1,2,3-Trichloropropane	11.79	75	71646	78.44	ug/l	99
77) Bromobenzene	11.50	156	102510	66.21	ug/l	97
78) n-propylbenzene	11.60	91	524076	60.41	ug/l	94
79) 2-Chlorotoluene	11.72	91	334966	66.43	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	401032	67.91	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	28873m	64.35	ug/l	
82) 4-Chlorotoluene	11.90	91	302398	58.54	ug/l	98
83) tert-Butylbenzene	12.14	119	430140	68.60	ug/l	95
84) 1,2,4-Trimethylbenzene	12.21	105	382518	62.63	ug/l	95
85) sec-Butylbenzene	12.31	105	474324	55.77	ug/l	93
86) p-Isopropyltoluene	12.46	119	414998	58.42	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	166876	54.16	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	169129	57.11	ug/l	93
89) n-Butylbenzene	12.85	91	350589	48.36	ug/l	94
90) Hexachloroethane	12.92	117	111612	64.24	ug/l	91
91) 1,2-Dichlorobenzene	12.95	146	176275	60.76	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	18123	78.41	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	87037	41.74	ug/l	97
94) Hexachlorobutadiene	14.19	225	45864	33.66	ug/l	97
95) Naphthalene	14.46	128	229137	60.22	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	83309	43.24	ug/l	97

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

