

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060807.D
 Acq On : 20 Nov 2018 16:46
 Operator : VA/AP
 Sample : J5950-09MSD
 Misc : 6.54g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-21-TW-2MSD

Quant Time: Nov 21 02:57:23 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	169612	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	283503	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	262994	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	119835	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	101786	52.61	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.22%	
35) Dibromofluoromethane	4.12	113	103235	48.44	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	7.56	98	287720	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
62) 4-Bromofluorobenzene	11.42	95	127442	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	130635	43.04	ug/l	98
3) Chloromethane	1.10	50	84777	45.03	ug/l	98
4) Vinyl Chloride	1.15	62	78847	46.82	ug/l	99
5) Bromomethane	1.33	94	57276	53.54	ug/l	96
6) Chloroethane	1.38	64	37532	56.96	ug/l	95
7) Trichlorofluoromethane	1.50	101	187030m	50.22	ug/l	
8) Diethyl Ether	1.63	74	28947	60.67	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.83	101	87447	49.83	ug/l	95
10) Methyl Iodide	1.90	142	157393m	55.90	ug/l	
11) Tert butyl alcohol	2.57	59	35546	403.72	ug/l	98
12) 1,1-Dichloroethene	1.79	96	74717	54.00	ug/l	97
13) Acrolein	2.00	56	15913	197.66	ug/l	96
14) Allyl chloride	2.10	41	130901	54.00	ug/l	96
15) Acrylonitrile	2.95	53	66808	356.09	ug/l	95
16) Acetone	2.23	43	159492	385.70	ug/l	95
17) Carbon Disulfide	1.83	76	215770m	51.59	ug/l	
18) Methyl Acetate	2.35	43	55210m	81.31	ug/l	
19) Methyl tert-butyl Ether	2.43	73	207586	62.53	ug/l	100
20) Methylene Chloride	2.19	84	75236m	55.03	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	73384	50.76	ug/l	97
22) Diisopropyl ether	2.81	45	294278	62.88	ug/l	99
23) Vinyl Acetate	3.19	43	657602	298.38	ug/l	98
24) 1,1-Dichloroethane	2.88	63	167503	59.12	ug/l	99
25) 2-Butanone	4.34	43	222710	327.44	ug/l	100
26) 2,2-Dichloropropane	3.61	77	108744	48.77	ug/l	96
27) cis-1,2-Dichloroethene	3.48	96	136695	55.58	ug/l	98
28) Bromochloromethane	3.72	49	84131	57.13	ug/l	99
29) Tetrahydrofuran	4.08	42	92030	328.03	ug/l	97
30) Chloroform	3.86	83	223967	49.26	ug/l	99
31) Cyclohexane	3.70	56	143028	41.59	ug/l	98
32) 1,1,1-Trichloroethane	4.10	97	170325	47.58	ug/l	97
36) 1,1-Dichloropropene	4.29	75	167587	50.97	ug/l	99
37) Ethyl Acetate	4.12	43	83753	68.52	ug/l #	61
38) Carbon Tetrachloride	3.99	117	142980	44.82	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	135764	35.59	ug/l	98
40) Benzene	4.64	78	399215	54.47	ug/l	97
41) Methacrylonitrile	4.75	41	48131	76.11	ug/l	88
42) 1,2-Dichloroethane	4.95	62	149935	59.20	ug/l	98
43) Isopropyl Acetate	6.97	43	98264	60.63	ug/l #	100
44) Trichloroethene	5.51	130	120919	52.29	ug/l	99
45) 1,2-Dichloropropane	6.25	63	105472	55.30	ug/l	98
46) Dibromomethane	6.09	93	74649	59.29	ug/l	93
47) Bromodichloromethane	6.39	83	173544	53.98	ug/l	98
48) Methyl methacrylate	6.72	41	65579	61.14	ug/l	93
49) 1,4-Dioxane	6.71	88	14112	1406.74	ug/l	96
51) 4-Methyl-2-Pentanone	8.26	43	408495	348.49	ug/l	97
52) Toluene	7.63	92	244429	49.77	ug/l	91
53) t-1,3-Dichloropropene	8.29	75	135470	52.61	ug/l	92
54) cis-1,3-Dichloropropene	7.31	75	172757	51.65	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	76111	54.24	ug/l	98
56) Ethyl methacrylate	8.63	69	115963	72.76	ug/l	98
57) 1,3-Dichloropropane	8.86	76	136264	56.03	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.63	63	39520	271.45	ug/l	100
59) 2-Hexanone	9.50	43	284141	344.92	ug/l	98
60) Dibromochloromethane	8.73	129	110461	55.23	ug/l	98
61) 1,2-Dibromoethane	8.99	107	86605	58.68	ug/l	97
64) Tetrachloroethene	8.16	164	96252	46.22	ug/l	94
65) Chlorobenzene	9.81	112	264908	49.92	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	118323	51.12	ug/l	98
67) Ethyl Benzene	9.91	91	581100	58.09	ug/l	97
68) m/p-Xylenes	10.15	106	524806	146.80	ug/l	99
69) o-Xylene	10.72	106	281600	70.06	ug/l	100
70) Styrene	10.80	104	248670	45.59	ug/l	96
71) Bromoform	10.78	173	59120	56.80	ug/l	95
73) Isopropylbenzene	11.13	105	502844	52.13	ug/l	98
74) N-amyl acetate	11.38	43	163362	74.39	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.70	83	108317	67.92	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	82319	69.50	ug/l	96
77) Bromobenzene	11.51	156	111387	55.48	ug/l	92
78) n-propylbenzene	11.61	91	628438	55.86	ug/l	99
79) 2-Chlorotoluene	11.72	91	380331	58.17	ug/l	87
80) 1,3,5-Trimethylbenzene	11.83	105	931786	121.67	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	31321m	53.83	ug/l	
82) 4-Chlorotoluene	11.91	91	333279	49.76	ug/l	99
83) tert-Butylbenzene	12.14	119	381513	46.92	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	1564370	197.52	ug/l	98
85) sec-Butylbenzene	12.32	105	461264	41.82	ug/l	99
86) p-Isopropyltoluene	12.46	119	512372	55.62	ug/l	94
87) 1,3-Dichlorobenzene	12.48	146	190698	47.73	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	205836	53.60	ug/l	97
89) n-Butylbenzene	12.85	91	434627	46.23	ug/l #	77
90) Hexachloroethane	12.93	117	85345	37.88	ug/l	98
91) 1,2-Dichlorobenzene	12.95	146	202311	53.77	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.65	75	21231	70.83	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	106855	39.52	ug/l	98
94) Hexachlorobutadiene	14.20	225	28745	16.27	ug/l	98
95) Naphthalene	14.47	128	728841	147.71	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	102244	40.92	ug/l	97

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

