

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060791.D
 Acq On : 19 Nov 2018 22:24
 Operator : VA/AP
 Sample : J5950-08MS
 Misc : 6.38g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

apatel
 11/21/2018 10:39:15 AM

Quant Time: Nov 20 03:15:36 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	4.87	168	168446	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	283193	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	251105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	114284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	90188	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
35) Dibromofluoromethane	4.12	113	102838	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	7.56	98	293231	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
62) 4-Bromofluorobenzene	11.42	95	134146	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	138501	45.944	ug/l	98
3) Chloromethane	1.10	50	97741	52.280	ug/l	94
4) Vinyl Chloride	1.14	62	90376	54.038	ug/l	94
5) Bromomethane	1.32	94	57079	53.728	ug/l	96
6) Chloroethane	1.37	64	39081	59.725	ug/l	96
7) Trichlorofluoromethane	1.49	101	192692	52.102	ug/l	95
8) Diethyl Ether	1.63	74	24330	51.345	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.82	101	92094	52.842	ug/l	99
10) Methyl Iodide	1.89	142	149726	53.545	ug/l	96
11) Tert butyl alcohol	2.57	59	21973	251.289	ug/l	97
12) 1,1-Dichloroethene	1.78	96	78079	56.816	ug/l	98
13) Acrolein	2.00	56	14517	181.572	ug/l	99
14) Allyl chloride	2.10	41	130924	54.382	ug/l	91
15) Acrylonitrile	2.95	53	48321	259.338	ug/l	97
16) Acetone	2.24	43	107239	261.132	ug/l	93
17) Carbon Disulfide	1.83	76	227192	54.699	ug/l	99
18) Methyl Acetate	2.34	43	37907	56.214	ug/l	94
19) Methyl tert-butyl Ether	2.43	73	169605	51.445	ug/l	93
20) Methylene Chloride	2.19	84	75686m	55.784	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	82909	57.745	ug/l	94
22) Diisopropyl ether	2.81	45	243761	52.444	ug/l	98
23) Vinyl Acetate	3.19	43	509133	232.614	ug/l	98
24) 1,1-Dichloroethane	2.88	63	157656	56.026	ug/l	100
25) 2-Butanone	4.34	43	173425	256.742	ug/l	99
26) 2,2-Dichloropropane	3.61	77	101358	45.772	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	130976	53.625	ug/l	98
28) Bromochloromethane	3.73	49	74838	51.174	ug/l	98
29) Tetrahydrofuran	4.08	42	66680	239.318	ug/l	95
30) Chloroform	3.86	83	226997	50.277	ug/l	99
31) Cyclohexane	3.71	56	152754	44.726	ug/l	95
32) 1,1,1-Trichloroethane	4.10	97	179912	50.602	ug/l	99
36) 1,1-Dichloropropene	4.29	75	174504	53.132	ug/l	98
37) Ethyl Acetate	4.11	43	59688	48.882	ug/l	96
38) Carbon Tetrachloride	4.00	117	163535m	51.315	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	135254	35.497	ug/l	94
40) Benzene	4.64	78	395601	54.035	ug/l	97
41) Methacrylonitrile	4.75	41	41244	64.619	ug/l #	90
42) 1,2-Dichloroethane	4.95	62	129760	51.288	ug/l	100
43) Isopropyl Acetate	6.96	43	79768	49.271	ug/l #	95
44) Trichloroethene	5.51	130	118209	51.175	ug/l	94
45) 1,2-Dichloropropane	6.24	63	100887	52.955	ug/l	96
46) Dibromomethane	6.09	93	65554	52.126	ug/l	90
47) Bromodichloromethane	6.39	83	161591	50.318	ug/l	95
48) Methyl methacrylate	6.72	41	52069	48.596	ug/l	99
49) 1,4-Dioxane	6.71	88	9883	986.257	ug/l	95
51) 4-Methyl-2-Pentanone	8.26	43	302767	258.573	ug/l	99
52) Toluene	7.63	92	251622	51.287	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	121974	47.421	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	156667	46.891	ug/l	99
55) 1,1,2-Trichloroethane	8.50	97	67943	48.469	ug/l	96
56) Ethyl methacrylate	8.63	69	111425	69.990	ug/l	94
57) 1,3-Dichloropropane	8.86	76	119621	49.239	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.63	63	39553	271.975	ug/l	100
59) 2-Hexanone	9.50	43	202624	246.237	ug/l	97
60) Dibromochloromethane	8.72	129	97930	49.019	ug/l	94
61) 1,2-Dibromoethane	8.99	107	73855	50.097	ug/l	97
64) Tetrachloroethene	8.15	164	106237	53.426	ug/l	96
65) Chlorobenzene	9.80	112	260516	51.413	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	110679	50.079	ug/l	97
67) Ethyl Benzene	9.91	91	610282	63.896	ug/l	99
68) m/p-Xylenes	10.14	106	545326	159.763	ug/l	99
69) o-Xylene	10.72	106	275699	71.842	ug/l	99
70) Styrene	10.80	104	248542	47.722	ug/l	96
71) Bromoform	10.78	173	47953	48.250	ug/l	93
73) Isopropylbenzene	11.13	105	512148	55.674	ug/l	99
74) N-amyl acetate	11.38	43	135145	64.534	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.71	83	92949	61.115	ug/l	92
76) 1,2,3-Trichloropropane	11.80	75	66568	58.934	ug/l	86
77) Bromobenzene	11.50	156	105348	55.017	ug/l	94
78) n-propylbenzene	11.60	91	665955	62.072	ug/l	96
79) 2-Chlorotoluene	11.73	91	390105	62.561	ug/l	88
80) 1,3,5-Trimethylbenzene	11.83	105	1022703	140.034	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	26353m	47.490	ug/l	
82) 4-Chlorotoluene	11.90	91	332162	51.997	ug/l	97
83) tert-Butylbenzene	12.14	119	387535	49.976	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	1653284	218.886	ug/l	99
85) sec-Butylbenzene	12.31	105	470725	44.750	ug/l	99
86) p-Isopropyltoluene	12.47	119	416689m	47.430	ug/l	
87) 1,3-Dichlorobenzene	12.49	146	198625	52.124	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	194393	53.079	ug/l	96
89) n-Butylbenzene	12.85	91	489270	54.572	ug/l #	80
90) Hexachloroethane	12.92	117	84494	39.321	ug/l	91
91) 1,2-Dichlorobenzene	12.95	146	187262	52.192	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.65	75	15330	53.629	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	105182	40.786	ug/l	94
94) Hexachlorobutadiene	14.19	225	26483	15.715	ug/l	98
95) Naphthalene	14.46	128	620805	131.930	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	93558	39.261	ug/l	94

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

