

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060806.D
 Acq On : 20 Nov 2018 16:18
 Operator : VA/AP
 Sample : J5950-08MS
 Misc : 6.38g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

apatel
 11/21/2018 2:02:22 PM

Quant Time: Nov 20 17:16:44 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	4.89	168	103709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	208318	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	118153	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	47449	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	84531	71.46	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	142.92%	
35) Dibromofluoromethane	4.12	113	92632	59.16	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	118.32%	
50) Toluene-d8	7.56	98	182475	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
62) 4-Bromofluorobenzene	11.42	95	86884	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	121340	65.38	ug/l	99
3) Chloromethane	1.10	50	108306	94.09	ug/l	99
4) Vinyl Chloride	1.14	62	94708	91.98	ug/l	96
5) Bromomethane	1.32	94	60187	92.02	ug/l	99
6) Chloroethane	1.38	64	37856	93.97	ug/l	95
7) Trichlorofluoromethane	1.50	101	139455	61.24	ug/l	92
8) Diethyl Ether	1.63	74	29357	100.63	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.82	101	52454	48.88	ug/l	98
10) Methyl Iodide	1.89	142	147975	85.95	ug/l	95
11) Tert butyl alcohol	2.58	59	27520	511.18	ug/l #	92
12) 1,1-Dichloroethene	1.78	96	61170	72.30	ug/l	95
13) Acrolein	2.00	56	14301	290.52	ug/l	94
14) Allyl chloride	2.10	41	122703	82.78	ug/l	93
15) Acrylonitrile	2.95	53	65872	574.21	ug/l	95
16) Acetone	2.24	43	144296	570.70	ug/l	98
17) Carbon Disulfide	1.83	76	180144m	70.45	ug/l	
18) Methyl Acetate	2.35	43	79416m	191.28	ug/l	
19) Methyl tert-butyl Ether	2.43	73	194232	95.69	ug/l	97
20) Methylene Chloride	2.19	84	78828m	96.47	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	70665	79.94	ug/l	93
22) Diisopropyl ether	2.80	45	261521	91.39	ug/l	97
23) Vinyl Acetate	3.19	43	518235	384.57	ug/l	98
24) 1,1-Dichloroethane	2.88	63	138473	79.93	ug/l	100
25) 2-Butanone	4.34	43	197399	474.65	ug/l	99
26) 2,2-Dichloropropane	3.61	77	73713	54.07	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	166179	110.51	ug/l	94
28) Bromochloromethane	3.72	49	74612	82.87	ug/l	92
29) Tetrahydrofuran	4.08	42	91791	535.09	ug/l	99
30) Chloroform	3.87	83	202067	72.69	ug/l	99
31) Cyclohexane	3.71	56	76256	36.26	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	125314	57.25	ug/l	98
36) 1,1-Dichloropropene	4.29	75	107507	44.50	ug/l	97
37) Ethyl Acetate	4.11	43	74543	82.99	ug/l #	62
38) Carbon Tetrachloride	4.00	117	95378m	40.69	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	91165	32.53	ug/l	93
40) Benzene	4.64	78	305785	56.78	ug/l	99
41) Methacrylonitrile	4.75	41	45975	100.36	ug/l	90
42) 1,2-Dichloroethane	4.95	62	131153	70.47	ug/l	99
43) Isopropyl Acetate	6.97	43	79877	67.07	ug/l #	93
44) Trichloroethene	5.51	130	80422	47.33	ug/l	100
45) 1,2-Dichloropropane	6.24	63	85133	60.75	ug/l	95
46) Dibromomethane	6.09	93	65099	70.37	ug/l	88
47) Bromodichloromethane	6.40	83	128247	54.29	ug/l	99
48) Methyl methacrylate	6.72	41	58195	73.84	ug/l	98
49) 1,4-Dioxane	6.71	88	12174	1651.54	ug/l #	47
51) 4-Methyl-2-Pentanone	8.26	43	415409	482.29	ug/l	96
52) Toluene	7.63	92	192321	53.29	ug/l	94
53) t-1,3-Dichloropropene	8.29	75	101097	53.43	ug/l	97
54) cis-1,3-Dichloropropene	7.32	75	131975	53.70	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	61962	60.09	ug/l	90
56) Ethyl methacrylate	8.64	69	417476	356.48	ug/l #	85
57) 1,3-Dichloropropane	8.86	76	103592	57.97	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.63	63	30721	287.17	ug/l	100
59) 2-Hexanone	9.51	43	249009	411.37	ug/l	98
60) Dibromochloromethane	8.73	129	77070	52.44	ug/l	96
61) 1,2-Dibromoethane	9.00	107	56499	52.10	ug/l	99
64) Tetrachloroethene	8.16	164	46552	49.75	ug/l	96
65) Chlorobenzene	9.81	112	135858	56.98	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	70246	67.55	ug/l	97
67) Ethyl Benzene	9.91	91	286985	63.86	ug/l	95
68) m/p-Xylenes	10.15	106	322358	200.71	ug/l	89
69) o-Xylene	10.73	106	172507	95.53	ug/l	98
70) Styrene	10.80	104	117202	47.83	ug/l	92
71) Bromoform	10.79	173	34955	74.75	ug/l #	96
73) Isopropylbenzene	11.13	105	164153	42.98	ug/l	94
74) N-amyl acetate	11.41	43	293468	337.53	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	11.69	83	195185	309.11	ug/l #	1
76) 1,2,3-Trichloropropane	11.80	75	51781	110.42	ug/l #	35
77) Bromobenzene	11.51	156	48159	60.58	ug/l	83
78) n-propylbenzene	11.61	91	206189	46.29	ug/l	96
79) 2-Chlorotoluene	11.73	91	162556	62.79	ug/l	90
80) 1,3,5-Trimethylbenzene	11.84	105	891433	293.99	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	21103	91.59	ug/l #	3
82) 4-Chlorotoluene	11.91	91	117410	44.27	ug/l #	50
83) tert-Butylbenzene	12.15	119	167486	52.02	ug/l	93
84) 1,2,4-Trimethylbenzene	12.22	105	457651	145.94	ug/l	90
85) sec-Butylbenzene	12.33	105	117075	26.81	ug/l	96
86) p-Isopropyltoluene	12.44	119	256122	70.22	ug/l #	83
87) 1,3-Dichlorobenzene	12.49	146	50573	31.97	ug/l #	11
88) 1,4-Dichlorobenzene	12.58	146	62951	41.40	ug/l #	10
89) n-Butylbenzene	12.85	91	268087	72.02	ug/l #	1
90) Hexachloroethane	12.94	117	27219	30.51	ug/l	77
91) 1,2-Dichlorobenzene	12.96	146	64152	43.06	ug/l #	55
92) 1,2-Dibromo-3-Chloropropan	13.65	75	16482	138.88	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	24990	23.34	ug/l	89
94) Hexachlorobutadiene	14.20	225	6864	9.81	ug/l	92
95) Naphthalene	14.47	128	126673	64.84	ug/l #	65
96) 1,2,3-Trichlorobenzene	14.61	180	15869	16.04	ug/l	85

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

