

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060047.D
 Acq On : 23 Aug 2018 12:09
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 4:08:29 PM

Quant Time: Aug 23 15:25:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	208604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	334732	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	343546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	205316	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	135522	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
35) Dibromofluoromethane	4.29	113	123209	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
50) Toluene-d8	7.71	98	349434	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
62) 4-Bromofluorobenzene	11.52	95	184230	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	0.96	85	117489	42.78	ug/l	98
3) Chloromethane	1.07	50	90208	50.65	ug/l	97
4) Vinyl Chloride	1.12	62	72495	42.51	ug/l	92
5) Bromomethane	1.31	94	56244	43.41	ug/l	94
6) Chloroethane	1.39	64	31075	46.23	ug/l	94
7) Trichlorofluoromethane	1.48	101	178560	52.07	ug/l	100
8) Diethyl Ether	1.70	74	30395	49.58	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.86	101	84763	47.09	ug/l	97
10) Methyl Iodide	1.93	142	113327	47.62	ug/l	97
11) Tert butyl alcohol	2.67	59	34138	224.76	ug/l #	83
12) 1,1-Dichloroethene	1.83	96	62928	47.45	ug/l	95
13) Acrolein	2.08	56	23235	250.36	ug/l	99
14) Allyl chloride	2.19	41	113040	48.00	ug/l	98
15) Acrylonitrile	3.07	53	70503	235.22	ug/l	95
16) Acetone	2.33	43	207917	277.09	ug/l	99
17) Carbon Disulfide	1.84	76	178203	42.92	ug/l	99
18) Methyl Acetate	2.45	43	63149	49.20	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	199423	46.94	ug/l	97
20) Methylene Chloride	2.28	84	73978	50.07	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	64657	43.58	ug/l	97
22) Diisopropyl ether	2.92	45	245364	46.53	ug/l	99
23) Vinyl Acetate	3.34	43	623268	223.09	ug/l	96
24) 1,1-Dichloroethane	3.00	63	155760	47.81	ug/l	99
25) 2-Butanone	4.51	43	245390	251.77	ug/l	95
26) 2,2-Dichloropropane	3.76	77	173553	51.49	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	107086	50.93	ug/l	95
28) Bromochloromethane	3.89	49	68623	49.89	ug/l	85
29) Tetrahydrofuran	4.25	42	89182	242.35	ug/l	98
30) Chloroform	4.03	83	220525	48.22	ug/l	96
31) Cyclohexane	3.86	56	111556	44.94	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	183802	46.94	ug/l	96
36) 1,1-Dichloropropene	4.47	75	141386	44.95	ug/l	99
37) Ethyl Acetate	4.29	43	85754	45.58	ug/l #	72
38) Carbon Tetrachloride	4.17	117	167378	45.95	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	131708	44.66	ug/l	90
40) Benzene	4.81	78	315472	45.91	ug/l	100
41) Methacrylonitrile	4.92	41	41135	43.23	ug/l	91
42) 1,2-Dichloroethane	5.12	62	169147	45.91	ug/l	99
43) Isopropyl Acetate	7.11	43	112245	47.41	ug/l #	97
44) Trichloroethene	5.68	130	99573	43.83	ug/l	96
45) 1,2-Dichloropropane	6.40	63	101065	52.00	ug/l	100
46) Dibromomethane	6.25	93	72888	47.92	ug/l	96
47) Bromodichloromethane	6.55	83	172931	47.07	ug/l	95
48) Methyl methacrylate	6.87	41	76861	49.06	ug/l	98
49) 1,4-Dioxane	6.86	88	14126	939.17	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	510237	249.54	ug/l	97
52) Toluene	7.78	92	226352	51.34	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	154341	46.33	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	177540	47.75	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	93727	50.55	ug/l	94
56) Ethyl methacrylate	8.77	69	114294	50.93	ug/l	96
57) 1,3-Dichloropropane	9.00	76	156216	47.94	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	39543	221.98	ug/l	100
59) 2-Hexanone	9.63	43	416437	251.64	ug/l	100
60) Dibromochloromethane	8.86	129	134436	49.12	ug/l	98
61) 1,2-Dibromoethane	9.14	107	106439	48.88	ug/l	99
64) Tetrachloroethene	8.31	164	101345	43.79	ug/l	98
65) Chlorobenzene	9.95	112	299983	46.24	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	121715	49.47	ug/l	95
67) Ethyl Benzene	10.05	91	536543	47.93	ug/l	98
68) m/p-Xylenes	10.27	106	377785	103.80	ug/l	99
69) o-Xylene	10.84	106	212048	48.35	ug/l	95
70) Styrene	10.91	104	323857	48.13	ug/l	98
71) Bromoform	10.90	173	86277	50.26	ug/l	97
73) Isopropylbenzene	11.23	105	613100	49.61	ug/l	98
74) N-amyl acetate	11.47	43	200823	52.28	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	133417	49.43	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	102170	48.81	ug/l	99
77) Bromobenzene	11.60	156	160004	47.61	ug/l	91
78) n-propylbenzene	11.69	91	735321	48.21	ug/l	97
79) 2-Chlorotoluene	11.81	91	427075	47.61	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	502930	46.71	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	47891m	50.01	ug/l	
82) 4-Chlorotoluene	11.99	91	471884	48.46	ug/l	97
83) tert-Butylbenzene	12.22	119	512961	48.85	ug/l	94
84) 1,2,4-Trimethylbenzene	12.30	105	530025	46.30	ug/l	100
85) sec-Butylbenzene	12.39	105	695226	47.55	ug/l	98
86) p-Isopropyltoluene	12.54	119	590642	48.70	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	289709	46.62	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	295014	47.77	ug/l	97
89) n-Butylbenzene	12.93	91	601478	51.04	ug/l	98
90) Hexachloroethane	13.00	117	135007	49.53	ug/l	80
91) 1,2-Dichlorobenzene	13.02	146	287908	48.17	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	27795	50.39	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	224638	51.04	ug/l	95
94) Hexachlorobutadiene	14.26	225	135222	49.36	ug/l	96
95) Naphthalene	14.52	128	405605	52.97	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	220804	52.59	ug/l	97

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

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