

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059191.D
 Acq On : 19 Jun 2018 16:01
 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

apatel
 6/20/2018 10:11:31 AM

Quant Time: Jun 20 04:17:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	261752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	414448	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	393143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	231654	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	170195	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	4.29	113	147210	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	7.71	98	409957	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.51	95	204264	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	144708	48.85	ug/l	99
3) Chloromethane	1.08	50	94020	40.97	ug/l	100
4) Vinyl Chloride	1.15	62	98116	47.39	ug/l	99
5) Bromomethane	1.34	94	65485	54.28	ug/l	98
6) Chloroethane	1.43	64	47547	55.35	ug/l	94
7) Trichlorofluoromethane	1.49	101	178751m	55.54	ug/l	
8) Diethyl Ether	1.70	74	43103	53.23	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.90	101	90140	43.95	ug/l	98
10) Methyl Iodide	1.96	142	184865	51.51	ug/l	96
11) Tert butyl alcohol	2.69	59	50341	247.50	ug/l	99
12) 1,1-Dichloroethene	1.85	96	87080	50.49	ug/l	96
13) Acrolein	2.09	56	39785	225.98	ug/l	91
14) Allyl chloride	2.19	41	168489	49.77	ug/l	95
15) Acrylonitrile	3.07	53	104389	258.41	ug/l	97
16) Acetone	2.33	43	227138m	299.68	ug/l	
17) Carbon Disulfide	1.87	76	228111m	47.11	ug/l	
18) Methyl Acetate	2.44	43	70509m	54.11	ug/l	
19) Methyl tert-butyl Ether	2.54	73	312641	58.39	ug/l	96
20) Methylene Chloride	2.30	84	94926m	52.31	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	95582	50.53	ug/l	94
22) Diisopropyl ether	2.93	45	359029	53.95	ug/l	99
23) Vinyl Acetate	3.33	43	1279905	291.72	ug/l	100
24) 1,1-Dichloroethane	2.99	63	205060	50.83	ug/l	99
25) 2-Butanone	4.50	43	300644	255.85	ug/l	96
26) 2,2-Dichloropropane	3.75	77	152626	52.15	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	137924	47.38	ug/l	94
28) Bromochloromethane	3.88	49	82785	45.59	ug/l #	94
29) Tetrahydrofuran	4.25	42	129804	250.70	ug/l	98
30) Chloroform	4.03	83	302339	52.39	ug/l	94
31) Cyclohexane	3.85	56	153203	43.47	ug/l	96
32) 1,1,1-Trichloroethane	4.27	97	223294	51.83	ug/l	96
36) 1,1-Dichloropropene	4.45	75	199375	49.63	ug/l	96
37) Ethyl Acetate	4.28	43	136097	54.83	ug/l #	93
38) Carbon Tetrachloride	4.17	117	249767	57.37	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	188290	45.98	ug/l	99
40) Benzene	4.80	78	446048	47.84	ug/l	97
41) Methacrylonitrile	4.92	41	61137	50.13	ug/l	97
42) 1,2-Dichloroethane	5.11	62	246216	58.88	ug/l	99
43) Isopropyl Acetate	7.10	43	172492	51.89	ug/l #	93
44) Trichloroethene	5.67	130	147048	50.47	ug/l	99
45) 1,2-Dichloropropane	6.40	63	126621	47.10	ug/l	96
46) Dibromomethane	6.25	93	107005	52.90	ug/l	90
47) Bromodichloromethane	6.54	83	255061	55.43	ug/l	98
48) Methyl methacrylate	6.87	41	117725	57.45	ug/l	94
49) 1,4-Dioxane	6.86	88	11970	790.10	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	579991	254.56	ug/l	97
52) Toluene	7.78	92	324386	48.30	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	238674	53.55	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	253496	49.52	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	126278	51.89	ug/l	95
56) Ethyl methacrylate	8.75	69	156881	51.14	ug/l	91
57) 1,3-Dichloropropane	9.00	76	213186	51.21	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	56968	259.71	ug/l	100
59) 2-Hexanone	9.63	43	486158	269.75	ug/l	99
60) Dibromochloromethane	8.86	129	192431	55.02	ug/l	99
61) 1,2-Dibromoethane	9.13	107	152225	53.83	ug/l	97
64) Tetrachloroethene	8.30	164	153524	53.24	ug/l	94
65) Chlorobenzene	9.93	112	405399	52.07	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	172141	55.59	ug/l	98
67) Ethyl Benzene	10.03	91	696312	51.47	ug/l	98
68) m/p-Xylenes	10.26	106	503886	99.49	ug/l	94
69) o-Xylene	10.82	106	274215	50.10	ug/l	88
70) Styrene	10.90	104	423349	51.12	ug/l	99
71) Bromoform	10.88	173	124456	59.18	ug/l #	95
73) Isopropylbenzene	11.23	105	810852	50.56	ug/l	98
74) N-amyl acetate	11.46	43	278815	48.67	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	183765	48.33	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	143356	51.05	ug/l	97
77) Bromobenzene	11.59	156	208086	51.55	ug/l	91
78) n-propylbenzene	11.69	91	922135	48.58	ug/l	99
79) 2-Chlorotoluene	11.81	91	551982	49.22	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	673621	50.75	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	88631	48.68	ug/l	91
82) 4-Chlorotoluene	11.98	91	599207	50.19	ug/l	95
83) tert-Butylbenzene	12.21	119	684606	51.94	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	695181	50.54	ug/l	92
85) sec-Butylbenzene	12.39	105	884804	49.40	ug/l	99
86) p-Isopropyltoluene	12.54	119	805410	54.75	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	375772	50.42	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	378462	52.70	ug/l	98
89) n-Butylbenzene	12.92	91	754794	49.43	ug/l	97
90) Hexachloroethane	12.99	117	184986	51.06	ug/l	84
91) 1,2-Dichlorobenzene	13.02	146	362648	50.51	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	39609	53.11	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	284703	56.70	ug/l	96
94) Hexachlorobutadiene	14.25	225	164444	56.59	ug/l	97
95) Naphthalene	14.52	128	600752	56.01	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	269500	58.08	ug/l	96

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

