

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062918\
 Data File : VF059376.D
 Acq On : 29 Jun 2018 14:13
 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

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 7/2/2018 1:11:46 PM

Quant Time: Jun 29 23:51:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	294980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	446171	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	445802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	265035	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	162699	42.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.38%	
35) Dibromofluoromethane	4.27	113	149428	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
50) Toluene-d8	7.70	98	370470	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
62) 4-Bromofluorobenzene	11.50	95	204257	44.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	110514	41.01	ug/l	98
3) Chloromethane	1.08	50	81083	44.78	ug/l	97
4) Vinyl Chloride	1.14	62	85264	47.84	ug/l	96
5) Bromomethane	1.33	94	60885	61.44	ug/l	99
6) Chloroethane	1.43	64	45815	51.04	ug/l #	85
7) Trichlorofluoromethane	1.49	101	167532m	47.54	ug/l	
8) Diethyl Ether	1.69	74	42426	46.95	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.89	101	98156	47.71	ug/l	98
10) Methyl Iodide	1.95	142	176032	46.93	ug/l	97
11) Tert butyl alcohol	2.67	59	58139	229.15	ug/l	98
12) 1,1-Dichloroethene	1.85	96	85921	49.41	ug/l	86
13) Acrolein	2.08	56	47073	400.76	ug/l	100
14) Allyl chloride	2.18	41	166512	51.01	ug/l	91
15) Acrylonitrile	3.06	53	119739	268.00	ug/l	91
16) Acetone	2.32	43	275061	290.65	ug/l	99
17) Carbon Disulfide	1.86	76	185954	45.46	ug/l	98
18) Methyl Acetate	2.44	43	94459	55.03	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	319563	49.26	ug/l	97
20) Methylene Chloride	2.26	84	96627m	44.38	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	90532	48.80	ug/l	96
22) Diisopropyl ether	2.91	45	370784	51.29	ug/l	94
23) Vinyl Acetate	3.32	43	1156224	251.14	ug/l	99
24) 1,1-Dichloroethane	2.98	63	214088	47.76	ug/l	99
25) 2-Butanone	4.49	43	326202	283.31	ug/l	97
26) 2,2-Dichloropropane	3.75	77	148751	48.12	ug/l	99
27) cis-1,2-Dichloroethene	3.61	96	138594	49.21	ug/l	85
28) Bromochloromethane	3.87	49	84216	48.83	ug/l	91
29) Tetrahydrofuran	4.24	42	142880	293.01	ug/l	99
30) Chloroform	4.02	83	302440	46.61	ug/l	95
31) Cyclohexane	3.85	56	139595	47.54	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	220488	46.43	ug/l	95
36) 1,1-Dichloropropene	4.44	75	180702	46.36	ug/l	98
37) Ethyl Acetate	4.27	43	146067	58.85	ug/l	97
38) Carbon Tetrachloride	4.16	117	218599m	44.44	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	160113	46.36	ug/l	97
40) Benzene	4.80	78	423660	49.02	ug/l	99
41) Methacrylonitrile	4.91	41	66711	50.18	ug/l	95
42) 1,2-Dichloroethane	5.10	62	239949	47.52	ug/l	99
43) Isopropyl Acetate	7.09	43	175541	54.07	ug/l #	95
44) Trichloroethene	5.66	130	136419	46.02	ug/l	98
45) 1,2-Dichloropropane	6.38	63	128162	51.91	ug/l	100
46) Dibromomethane	6.24	93	104696	48.85	ug/l	94
47) Bromodichloromethane	6.53	83	254597	49.08	ug/l	98
48) Methyl methacrylate	6.86	41	120797	55.52	ug/l	93
49) 1,4-Dioxane	6.85	88	12241	1056.79	ug/l	96
51) 4-Methyl-2-Pentanone	8.40	43	633035	263.19	ug/l	99
52) Toluene	7.76	92	303022	46.86	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	231117	48.88	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	258203	50.27	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	124972	49.77	ug/l	97
56) Ethyl methacrylate	8.75	69	159275	51.21	ug/l	98
57) 1,3-Dichloropropane	8.99	76	213096	49.49	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.76	63	54855	235.16	ug/l	100
59) 2-Hexanone	9.62	43	534855	299.33	ug/l	99
60) Dibromochloromethane	8.85	129	195918	50.54	ug/l	97
61) 1,2-Dibromoethane	9.12	107	147884	48.57	ug/l	91
64) Tetrachloroethene	8.30	164	135190	46.76	ug/l	99
65) Chlorobenzene	9.93	112	399434	48.35	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	166648	46.64	ug/l	97
67) Ethyl Benzene	10.03	91	674797	48.15	ug/l	100
68) m/p-Xylenes	10.26	106	480290	96.29	ug/l	96
69) o-Xylene	10.82	106	262931	47.13	ug/l	100
70) Styrene	10.89	104	404124	47.55	ug/l	97
71) Bromoform	10.88	173	126472	51.65	ug/l #	98
73) Isopropylbenzene	11.21	105	777158	50.33	ug/l	99
74) N-amyl acetate	11.45	43	297401	53.08	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	195003	50.01	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	147050	49.99	ug/l	93
77) Bromobenzene	11.59	156	204791	47.81	ug/l	84
78) n-propylbenzene	11.68	91	905326	48.82	ug/l	97
79) 2-Chlorotoluene	11.81	91	533311	47.07	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	652311	48.23	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	92354	52.75	ug/l	94
82) 4-Chlorotoluene	11.98	91	589631	48.59	ug/l	96
83) tert-Butylbenzene	12.21	119	659696	48.77	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	685256	48.11	ug/l	100
85) sec-Butylbenzene	12.38	105	850973	47.46	ug/l	99
86) p-Isopropyltoluene	12.54	119	750335	49.86	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	378042	53.80	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	377007	49.28	ug/l	97
89) n-Butylbenzene	12.91	91	729619	47.76	ug/l	99
90) Hexachloroethane	12.99	117	180945	48.25	ug/l	89
91) 1,2-Dichlorobenzene	13.01	146	369499	47.51	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	44540	51.53	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	290970	50.60	ug/l	98
94) Hexachlorobutadiene	14.25	225	170227	53.00	ug/l	98
95) Naphthalene	14.52	128	628006	52.20	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	278021	51.04	ug/l	97

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

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