

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122618\
 Data File : VF061180.D
 Acq On : 26 Dec 2018 11:03
 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
 12/27/2018 4:18:45 PM

Quant Time: Dec 27 00:03:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	188681	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	328655	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	300566	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	146692	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	115485	47.59	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	95.18%	
35) Dibromofluoromethane	4.08	113	130956	49.74	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	7.53	98	366965	49.19	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.39	95	167512	48.70	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	173612	41.393	ug/l	97
3) Chloromethane	1.09	50	116332	48.420	ug/l	97
4) Vinyl Chloride	1.14	62	104345	46.818	ug/l #	87
5) Bromomethane	1.33	94	71553	46.287	ug/l	95
6) Chloroethane	1.37	64	49078	47.790	ug/l	97
7) Trichlorofluoromethane	1.48	101	199092	46.785	ug/l	99
8) Diethyl Ether	1.62	74	27368	46.964	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.82	101	101473	45.990	ug/l	98
10) Methyl Iodide	1.89	142	160739	46.216	ug/l	91
11) Tert butyl alcohol	2.56	59	21740	221.996	ug/l	94
12) 1,1-Dichloroethene	1.78	96	77649	46.686	ug/l	89
13) Acrolein	1.99	56	15162	214.263	ug/l #	81
14) Allyl chloride	2.08	41	110530	63.859	ug/l	91
15) Acrylonitrile	2.92	53	52375	231.285	ug/l #	84
16) Acetone	2.22	43	124317	256.252	ug/l	99
17) Carbon Disulfide	1.81	76	220723	43.914	ug/l	99
18) Methyl Acetate	2.33	43	53524m	53.326	ug/l	
19) Methyl tert-butyl Ether	2.41	73	177146	47.984	ug/l	98
20) Methylene Chloride	2.22	84	86289m	56.219	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	81404	45.761	ug/l	94
22) Diisopropyl ether	2.77	45	271444	47.081	ug/l	96
23) Vinyl Acetate	3.17	43	639616	240.479	ug/l	99
24) 1,1-Dichloroethane	2.85	63	160336	46.936	ug/l	99
25) 2-Butanone	4.30	43	179542	228.193	ug/l	99
26) 2,2-Dichloropropane	3.57	77	98929	50.464	ug/l	95
27) cis-1,2-Dichloroethene	3.45	96	119341	43.821	ug/l	97
28) Bromochloromethane	3.69	49	92088	53.129	ug/l	93
29) Tetrahydrofuran	4.05	42	74736	233.378	ug/l	98
30) Chloroform	3.84	83	237389	46.346	ug/l	96
31) Cyclohexane	3.67	56	165222	46.611	ug/l	97
32) 1,1,1-Trichloroethane	4.07	97	170217	55.444	ug/l	93
36) 1,1-Dichloropropene	4.25	75	169217	42.655	ug/l	95
37) Ethyl Acetate	4.08	43	68415	43.319	ug/l #	76
38) Carbon Tetrachloride	3.97	117	148994	49.318	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	186680	52.453	ug/l	96
40) Benzene	4.61	78	390358	45.756	ug/l	94
41) Methacrylonitrile	4.73	41	36245	43.262	ug/l	96
42) 1,2-Dichloroethane	4.91	62	143648	44.324	ug/l	100
43) Isopropyl Acetate	6.94	43	86532	45.174	ug/l #	98
44) Trichloroethene	5.49	130	118452	44.039	ug/l	95
45) 1,2-Dichloropropane	6.21	63	93482	40.275	ug/l	94
46) Dibromomethane	6.06	93	67098	44.571	ug/l	96
47) Bromodichloromethane	6.36	83	174670	44.656	ug/l	99
48) Methyl methacrylate	6.69	41	62566	46.788	ug/l	99
49) 1,4-Dioxane	6.69	88	8425	868.295	ug/l #	90
51) 4-Methyl-2-Pentanone	8.24	43	309016	235.226	ug/l	100
52) Toluene	7.60	92	253100	44.818	ug/l	96
53) t-1,3-Dichloropropene	8.26	75	145907	46.240	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	184159	46.502	ug/l	99
55) 1,1,2-Trichloroethane	8.46	97	79195	46.779	ug/l	95
56) Ethyl methacrylate	8.60	69	85755	46.812	ug/l	96
57) 1,3-Dichloropropane	8.83	76	138498	45.232	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	74067	210.518	ug/l	97
59) 2-Hexanone	9.47	43	235426	247.807	ug/l	96
60) Dibromochloromethane	8.69	129	115199	47.469	ug/l	93
61) 1,2-Dibromoethane	8.97	107	82860	45.828	ug/l	97
64) Tetrachloroethene	8.13	164	103037	44.564	ug/l	93
65) Chlorobenzene	9.78	112	284541	45.825	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.90	131	114934	45.295	ug/l	97
67) Ethyl Benzene	9.88	91	535935	47.377	ug/l	99
68) m/p-Xylenes	10.11	106	352912	88.649	ug/l	97
69) o-Xylene	10.69	106	203623	46.118	ug/l	92
70) Styrene	10.77	104	280465	52.360	ug/l	98
71) Bromoform	10.75	173	55590	47.353	ug/l #	96
73) Isopropylbenzene	11.11	105	596544	47.190	ug/l	99
74) N-amyl acetate	11.35	43	139685	49.771	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	100574	47.937	ug/l	92
76) 1,2,3-Trichloropropane	11.78	75	70891	45.404	ug/l	93
77) Bromobenzene	11.48	156	125641	46.171	ug/l	83
78) n-propylbenzene	11.58	91	678601	45.829	ug/l	98
79) 2-Chlorotoluene	11.70	91	395338	45.588	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	470336	45.185	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	31854m	47.478	ug/l	
82) 4-Chlorotoluene	11.89	91	413585	46.103	ug/l	95
83) tert-Butylbenzene	12.11	119	477836	44.611	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	464562	44.755	ug/l	99
85) sec-Butylbenzene	12.29	105	642746	45.982	ug/l	98
86) p-Isopropyltoluene	12.45	119	546354	47.089	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	231306	52.336	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	223657	44.760	ug/l	95
89) n-Butylbenzene	12.83	91	552049	46.296	ug/l	98
90) Hexachloroethane	12.90	117	132149	46.100	ug/l	85
91) 1,2-Dichlorobenzene	12.92	146	218438	44.901	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.62	75	18381	47.743	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	162042	46.967	ug/l	94
94) Hexachlorobutadiene	14.18	225	108339	49.303	ug/l	92
95) Naphthalene	14.44	128	313145	49.705	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	150159	47.079	ug/l	97

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

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