

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060866.D
 Acq On : 29 Nov 2018 14:25
 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
 12/3/2018 11:55:55 AM

Quant Time: Nov 30 06:09:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	214580	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	375110	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	345897	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.56	152	168715	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	139376	55.14	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	110.28%	
35) Dibromofluoromethane	4.11	113	147197	49.46	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.92%	
50) Toluene-d8	7.56	98	438260	50.00	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.41	95	190658	47.86	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	145949	45.489	ug/l	98
3) Chloromethane	1.10	50	91718	43.931	ug/l	95
4) Vinyl Chloride	1.14	62	91943	47.213	ug/l	97
5) Bromomethane	1.32	94	65557	47.740	ug/l	99
6) Chloroethane	1.37	64	39035	46.370	ug/l #	84
7) Trichlorofluoromethane	1.49	101	199264	47.689	ug/l	96
8) Diethyl Ether	1.63	74	29281	48.733	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.82	101	95363	45.145	ug/l	93
10) Methyl Iodide	1.89	142	156112m	48.621	ug/l	
11) Tert butyl alcohol	2.57	59	28164	271.796	ug/l #	89
12) 1,1-Dichloroethene	1.78	96	78400	46.143	ug/l	99
13) Acrolein	2.00	56	23963	244.077	ug/l	95
14) Allyl chloride	2.10	41	106984	50.519	ug/l	97
15) Acrylonitrile	2.94	53	56296	242.330	ug/l	93
16) Acetone	2.24	43	137628	295.247	ug/l	98
17) Carbon Disulfide	1.82	76	204459	44.880	ug/l	98
18) Methyl Acetate	2.35	43	44237	56.790	ug/l	94
19) Methyl tert-butyl Ether	2.44	73	191708	50.097	ug/l	99
20) Methylene Chloride	2.18	84	74118m	43.342	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	82846	50.577	ug/l	94
22) Diisopropyl ether	2.80	45	300545	52.138	ug/l	99
23) Vinyl Acetate	3.19	43	719483	273.051	ug/l	98
24) 1,1-Dichloroethane	2.87	63	169081	49.300	ug/l	98
25) 2-Butanone	4.33	43	220866	273.936	ug/l	97
26) 2,2-Dichloropropane	3.60	77	106554	47.923	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	134019	50.256	ug/l	91
28) Bromochloromethane	3.72	49	84108	51.100	ug/l	92
29) Tetrahydrofuran	4.07	42	87797	256.893	ug/l	97
30) Chloroform	3.87	83	252562	47.848	ug/l	96
31) Cyclohexane	3.70	56	164081	46.099	ug/l	92
32) 1,1,1-Trichloroethane	4.09	97	172038	46.996	ug/l	96
36) 1,1-Dichloropropene	4.28	75	184194	44.271	ug/l	96
37) Ethyl Acetate	4.11	43	81571	48.245	ug/l	96
38) Carbon Tetrachloride	3.99	117	157735	42.923	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	183782	42.150	ug/l	98
40) Benzene	4.64	78	409687	44.572	ug/l	99
41) Methacrylonitrile	4.75	41	41100	46.694	ug/l #	87
42) 1,2-Dichloroethane	4.95	62	154339	45.994	ug/l	100
43) Isopropyl Acetate	6.96	43	107718	51.731	ug/l #	98
44) Trichloroethene	5.50	130	127129	42.301	ug/l	96
45) 1,2-Dichloropropane	6.24	63	108457	45.433	ug/l	95
46) Dibromomethane	6.09	93	77441	47.821	ug/l	98
47) Bromodichloromethane	6.39	83	199115	46.294	ug/l	99
48) Methyl methacrylate	6.72	41	70208	45.875	ug/l	96
49) 1,4-Dioxane	6.71	88	11145	995.024	ug/l #	77
51) 4-Methyl-2-Pentanone	8.27	43	366171	234.853	ug/l	98
52) Toluene	7.63	92	273720	42.396	ug/l	99
53) t-1,3-Dichloropropene	8.29	75	156965	44.866	ug/l	98
54) cis-1,3-Dichloropropene	7.31	75	199396	46.038	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	87988	46.770	ug/l	97
56) Ethyl methacrylate	8.63	69	101130	48.391	ug/l	95
57) 1,3-Dichloropropane	8.86	76	159946	48.595	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.30	63	50186	234.773	ug/l	97
59) 2-Hexanone	9.50	43	275382	251.758	ug/l	97
60) Dibromochloromethane	8.72	129	126087	44.982	ug/l	92
61) 1,2-Dibromoethane	9.00	107	91692	45.117	ug/l	92
64) Tetrachloroethene	8.16	164	113910	43.116	ug/l	96
65) Chlorobenzene	9.80	112	303234	45.064	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	127610	44.113	ug/l	93
67) Ethyl Benzene	9.90	91	567797	45.324	ug/l	99
68) m/p-Xylenes	10.14	106	388520	86.230	ug/l	97
69) o-Xylene	10.72	106	220530	44.387	ug/l	95
70) Styrene	10.79	104	293006	42.543	ug/l	98
71) Bromoform	10.78	173	65343	46.764	ug/l #	95
73) Isopropylbenzene	11.13	105	661721	49.631	ug/l	97
74) N-amyl acetate	11.37	43	165905	53.887	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	113939	51.925	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	80907	50.727	ug/l	94
77) Bromobenzene	11.50	156	141327	48.349	ug/l	85
78) n-propylbenzene	11.60	91	719077	46.054	ug/l	97
79) 2-Chlorotoluene	11.73	91	425624	47.541	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	508967	47.023	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.88	75	40792m	52.199	ug/l	
82) 4-Chlorotoluene	11.91	91	442868	47.006	ug/l	96
83) tert-Butylbenzene	12.13	119	528772	47.959	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	521789	48.303	ug/l	99
85) sec-Butylbenzene	12.31	105	704785	46.696	ug/l	99
86) p-Isopropyltoluene	12.47	119	558358	44.125	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	248004	44.604	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	246516	45.495	ug/l	96
89) n-Butylbenzene	12.85	91	613886	47.978	ug/l	97
90) Hexachloroethane	12.92	117	143194	46.993	ug/l	95
91) 1,2-Dichlorobenzene	12.95	146	247841	47.070	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	22111	52.119	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	178394	48.489	ug/l	97
94) Hexachlorobutadiene	14.19	225	111520	45.472	ug/l	99
95) Naphthalene	14.46	128	362625	50.841	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	167591	49.060	ug/l	98

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

