

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060590.D
 Acq On : 6 Nov 2018 1:27
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA-F/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 12:53:52 PM

Quant Time: Nov 06 07:48:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	250803	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	440660	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	406334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	214092	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	143604	56.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.34%	
35) Dibromofluoromethane	4.12	113	179031	52.59	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	7.56	98	523966	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
62) 4-Bromofluorobenzene	11.42	95	233158	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	126228	48.008	ug/l	95
3) Chloromethane	1.09	50	104721	47.709	ug/l	93
4) Vinyl Chloride	1.14	62	91852	45.412	ug/l	91
5) Bromomethane	1.32	94	56669	49.913	ug/l	95
6) Chloroethane	1.37	64	37796	51.920	ug/l	96
7) Trichlorofluoromethane	1.48	101	192398	50.823	ug/l	96
8) Diethyl Ether	1.63	74	32606	46.471	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.81	101	99852	46.158	ug/l	97
10) Methyl Iodide	1.88	142	174867	49.121	ug/l	95
11) Tert butyl alcohol	2.57	59	29789	223.756	ug/l #	86
12) 1,1-Dichloroethene	1.78	96	76871	42.190	ug/l	95
13) Acrolein	2.01	56	20686	248.715	ug/l	94
14) Allyl chloride	2.10	41	152944	51.409	ug/l	98
15) Acrylonitrile	2.94	53	73005	241.735	ug/l	93
16) Acetone	2.24	43	121161m	202.910	ug/l	
17) Carbon Disulfide	1.82	76	234821	45.753	ug/l	96
18) Methyl Acetate	2.35	43	49160	52.973	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	217588	51.086	ug/l	99
20) Methylene Chloride	2.19	84	90284	51.117	ug/l	97
21) trans-1,2-Dichloroethene	2.31	96	93245	48.781	ug/l	94
22) Diisopropyl ether	2.81	45	334225	53.024	ug/l #	96
23) Vinyl Acetate	3.19	43	877255	231.636	ug/l	98
24) 1,1-Dichloroethane	2.88	63	191488	52.492	ug/l	97
25) 2-Butanone	4.34	43	266540	235.468	ug/l	99
26) 2,2-Dichloropropane	3.61	77	130199	47.699	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	177347	48.601	ug/l	97
28) Bromochloromethane	3.72	49	126965	55.460	ug/l	97
29) Tetrahydrofuran	4.08	42	119908	272.396	ug/l	98
30) Chloroform	3.87	83	297490	51.546	ug/l	99
31) Cyclohexane	3.70	56	240564	47.787	ug/l	99
32) 1,1,1-Trichloroethane	4.11	97	223108	55.350	ug/l	98
36) 1,1-Dichloropropene	4.29	75	225640	46.505	ug/l	96
37) Ethyl Acetate	4.12	43	100867	43.307	ug/l	96
38) Carbon Tetrachloride	4.00	117	212321m	51.211	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	269900	45.583	ug/l	97
40) Benzene	4.64	78	540510	45.893	ug/l	100
41) Methacrylonitrile	4.75	41	61449	46.587	ug/l	93
42) 1,2-Dichloroethane	4.95	62	168209	49.762	ug/l	98
43) Isopropyl Acetate	6.97	43	154654	52.494	ug/l #	98
44) Trichloroethene	5.51	130	168718	47.666	ug/l	98
45) 1,2-Dichloropropane	6.24	63	157078	52.149	ug/l	97
46) Dibromomethane	6.09	93	100379	52.529	ug/l	90
47) Bromodichloromethane	6.40	83	238786	51.807	ug/l	100
48) Methyl methacrylate	6.72	41	102024	55.100	ug/l	95
49) 1,4-Dioxane	6.71	88	16484	851.021	ug/l #	86
51) 4-Methyl-2-Pentanone	8.26	43	503015	253.896	ug/l	99
52) Toluene	7.63	92	369857	48.209	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	193223	48.234	ug/l	98
54) cis-1,3-Dichloropropene	7.31	75	268885	53.125	ug/l	95
55) 1,1,2-Trichloroethane	8.50	97	109986	49.266	ug/l	97
56) Ethyl methacrylate	8.63	69	156161	54.367	ug/l	97
57) 1,3-Dichloropropane	8.86	76	200739	51.245	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.63	63	49037	268.437	ug/l	100
59) 2-Hexanone	9.50	43	363254	279.973	ug/l	100
60) Dibromochloromethane	8.73	129	159210	50.992	ug/l	99
61) 1,2-Dibromoethane	8.99	107	123227	52.488	ug/l	94
64) Tetrachloroethene	8.16	164	149762	47.029	ug/l	97
65) Chlorobenzene	9.81	112	388522	46.756	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.94	131	168875	48.097	ug/l	92
67) Ethyl Benzene	9.91	91	713108	47.291	ug/l	99
68) m/p-Xylenes	10.15	106	535276	94.236	ug/l	95
69) o-Xylene	10.72	106	307278	49.542	ug/l	99
70) Styrene	10.80	104	407454	45.345	ug/l	96
71) Bromoform	10.78	173	84246	46.458	ug/l	97
73) Isopropylbenzene	11.13	105	825997	49.471	ug/l	99
74) N-amyl acetate	11.38	43	237265	56.534	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	156340	51.299	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	68831	45.956	ug/l	99
77) Bromobenzene	11.51	156	183152	50.131	ug/l	86
78) n-propylbenzene	11.61	91	917836	46.984	ug/l	95
79) 2-Chlorotoluene	11.72	91	554469	49.700	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	643415	46.751	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	52053m	44.222	ug/l	
82) 4-Chlorotoluene	11.90	91	563879	48.445	ug/l	100
83) tert-Butylbenzene	12.14	119	664136	47.237	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	643334	47.734	ug/l	98
85) sec-Butylbenzene	12.32	105	925131	47.833	ug/l	95
86) p-Isopropyltoluene	12.46	119	735506	46.179	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	329660	45.972	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	333763	49.072	ug/l	98
89) n-Butylbenzene	12.85	91	744510	47.720	ug/l	100
90) Hexachloroethane	12.93	117	201270	49.691	ug/l	96
91) 1,2-Dichlorobenzene	12.95	146	323727	48.255	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.65	75	26234	49.547	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	218912	48.032	ug/l	94
94) Hexachlorobutadiene	14.19	225	139843	47.351	ug/l	96
95) Naphthalene	14.46	128	469613	51.480	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	214200	49.752	ug/l	97

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

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