

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010219\
 Data File : VF061261.D
 Acq On : 2 Jan 2019 18:30
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 3:08:28 PM

Quant Time: Jan 03 07:54:41 2019
 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	4.87	168	168494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	281731	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	274796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	130109	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	114300	52.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.48%	
35) Dibromofluoromethane	4.11	113	128520	56.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.90%	
50) Toluene-d8	7.55	98	363152	56.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.56%	
62) 4-Bromofluorobenzene	11.41	95	154671	52.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	171044	45.666	ug/l	98
3) Chloromethane	1.10	50	113347	52.830	ug/l	92
4) Vinyl Chloride	1.14	62	101534	51.015	ug/l	97
5) Bromomethane	1.33	94	71936	52.110	ug/l	95
6) Chloroethane	1.40	64	44751	48.797	ug/l	95
7) Trichlorofluoromethane	1.48	101	194229m	51.110	ug/l	
8) Diethyl Ether	1.62	74	28473	54.715	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.84	101	103611	52.585	ug/l	92
10) Methyl Iodide	1.91	142	161176m	51.893	ug/l	
11) Tert butyl alcohol	2.57	59	23170	264.945	ug/l #	91
12) 1,1-Dichloroethene	1.80	96	78942	53.150	ug/l	97
13) Acrolein	2.00	56	16326	258.353	ug/l #	72
14) Allyl chloride	2.10	41	95041	61.489	ug/l	91
15) Acrylonitrile	2.93	53	65472	323.760	ug/l	96
16) Acetone	2.23	43	96207	222.068	ug/l #	91
17) Carbon Disulfide	1.83	76	228905m	50.998	ug/l	
18) Methyl Acetate	2.34	43	51854	57.852	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	169281	51.347	ug/l	100
20) Methylene Chloride	2.25	84	82284m	60.368	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	78593m	49.474	ug/l	
22) Diisopropyl ether	2.80	45	274967	53.406	ug/l	96
23) Vinyl Acetate	3.18	43	641711	270.172	ug/l	100
24) 1,1-Dichloroethane	2.87	63	163829	53.705	ug/l	99
25) 2-Butanone	4.33	43	183117	260.621	ug/l	99
26) 2,2-Dichloropropane	3.60	77	90648	51.780	ug/l	95
27) cis-1,2-Dichloroethene	3.47	96	132940	54.663	ug/l	91
28) Bromochloromethane	3.71	49	86975	56.191	ug/l	90
29) Tetrahydrofuran	4.07	42	82885	289.835	ug/l	98
30) Chloroform	3.85	83	230537	50.401	ug/l	99
31) Cyclohexane	3.68	56	165723m	52.354	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	138451	50.500	ug/l	93
36) 1,1-Dichloropropene	4.28	75	179711	52.846	ug/l	96
37) Ethyl Acetate	4.11	43	74185	57.637	ug/l	99
38) Carbon Tetrachloride	3.98	117	136425	52.679	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	174915	57.333	ug/l	98
40) Benzene	4.62	78	402426	55.027	ug/l	96
41) Methacrylonitrile	4.74	41	40959	57.031	ug/l	97
42) 1,2-Dichloroethane	4.94	62	150033	54.005	ug/l	97
43) Isopropyl Acetate	6.95	43	86734	52.821	ug/l #	98
44) Trichloroethene	5.50	130	124535	54.013	ug/l	95
45) 1,2-Dichloropropane	6.23	63	112343	56.463	ug/l	100
46) Dibromomethane	6.08	93	70307	54.481	ug/l	98
47) Bromodichloromethane	6.38	83	182833	54.528	ug/l	96
48) Methyl methacrylate	6.71	41	63861	55.710	ug/l	91
49) 1,4-Dioxane	6.70	88	9381	1127.852	ug/l #	63
51) 4-Methyl-2-Pentanone	8.25	43	313076	278.009	ug/l	99
52) Toluene	7.62	92	265570	54.859	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	139674	51.637	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	179245	52.799	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	77099	53.126	ug/l	96
56) Ethyl methacrylate	8.62	69	85016	54.138	ug/l	93
57) 1,3-Dichloropropane	8.84	76	133984	51.046	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	60345	200.083	ug/l	99
59) 2-Hexanone	9.48	43	221027	271.400	ug/l	94
60) Dibromochloromethane	8.71	129	116406	55.956	ug/l	96
61) 1,2-Dibromoethane	8.98	107	86218	55.627	ug/l	95
64) Tetrachloroethene	8.14	164	109192	51.655	ug/l	97
65) Chlorobenzene	9.79	112	293229	51.653	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.93	131	114956	49.552	ug/l	99
67) Ethyl Benzene	9.90	91	495611	47.921	ug/l	99
68) m/p-Xylenes	10.13	106	357389	98.192	ug/l	95
69) o-Xylene	10.71	106	204440	50.646	ug/l	94
70) Styrene	10.79	104	282330	58.198	ug/l	99
71) Bromoform	10.77	173	56370	52.520	ug/l	97
73) Isopropylbenzene	11.12	105	585536	52.223	ug/l	98
74) N-amyl acetate	11.37	43	142229	57.136	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	102290	54.969	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	74177	53.564	ug/l	100
77) Bromobenzene	11.49	156	125946	52.182	ug/l	96
78) n-propylbenzene	11.59	91	666106	52.042	ug/l	98
79) 2-Chlorotoluene	11.71	91	400999	52.135	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	472694	51.200	ug/l	87
81) trans-1,4-Dichloro-2-buten	11.86	75	16790m	28.215	ug/l	
82) 4-Chlorotoluene	11.89	91	426579	53.612	ug/l	96
83) tert-Butylbenzene	12.13	119	496788	52.291	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	447832	48.642	ug/l	97
85) sec-Butylbenzene	12.31	105	655878	52.902	ug/l	98
86) p-Isopropyltoluene	12.45	119	538584	52.336	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	228217	58.896	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	227671	51.370	ug/l	99
89) n-Butylbenzene	12.84	91	551559	54.113	ug/l	98
90) Hexachloroethane	12.92	117	133434	52.481	ug/l	78
91) 1,2-Dichlorobenzene	12.94	146	218733	50.693	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	18462	54.066	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	159782	52.215	ug/l	95
94) Hexachlorobutadiene	14.19	225	107592	55.204	ug/l	95
95) Naphthalene	14.45	128	308550	55.218	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	156341	55.265	ug/l	99

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

