

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062939.D
 Acq On : 12 Jun 2019 20:36
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:33:07 AM

Quant Time: Jun 13 09:14:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	604827	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.79	114	505126	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	737595	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	281386	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	262195	62.69	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	125.38%	
35) Dibromofluoromethane	4.31	113	483896	126.77	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	253.54%	
50) Toluene-d8	7.72	98	526714m	54.57	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.14%	
62) 4-Bromofluorobenzene	11.49	95	326034	93.90	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	187.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	315105	45.671	ug/l	96
3) Chloromethane	1.15	50	305427	48.804	ug/l	93
4) Vinyl Chloride	1.20	62	337494	54.269	ug/l	92
5) Bromomethane	1.40	94	195570	55.142	ug/l	95
6) Chloroethane	1.44	64	128233	55.149	ug/l	88
7) Trichlorofluoromethane	1.56	101	497673	56.528	ug/l	97
8) Diethyl Ether	1.72	74	85828	49.551	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.92	101	331794	59.943	ug/l	98
10) Methyl Iodide	1.99	142	626160	56.419	ug/l	98
11) Tert butyl alcohol	2.70	59	84159	332.163	ug/l #	87
12) 1,1-Dichloroethene	1.88	96	263859	52.497	ug/l	96
13) Acrolein	2.10	56	28742	285.110	ug/l	91
14) Allyl chloride	2.20	41	300546	77.078	ug/l	93
15) Acrylonitrile	3.09	53	220875	232.000	ug/l	96
16) Acetone	2.35	43	275132	287.416	ug/l	97
17) Carbon Disulfide	1.92	76	779363	53.054	ug/l	97
18) Methyl Acetate	2.46	43	109043	65.186	ug/l	94
19) Methyl tert-butyl Ether	2.55	73	583588	64.088	ug/l	98
20) Methylene Chloride	2.34	84	277082m	58.298	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	284415	56.437	ug/l	98
22) Diisopropyl ether	2.94	45	602256	54.364	ug/l	93
23) Vinyl Acetate	3.34	43	2302895	303.645	ug/l #	81
24) 1,1-Dichloroethane	3.01	63	553072	66.865	ug/l #	95
25) 2-Butanone	4.52	43	679389	304.762	ug/l	97
26) 2,2-Dichloropropane	3.78	77	315443	67.165	ug/l	93
27) cis-1,2-Dichloroethene	3.65	96	472798	55.813	ug/l	87
28) Bromochloromethane	3.90	49	257345	57.198	ug/l	91
29) Tetrahydrofuran	4.27	42	273725	321.038	ug/l	93
30) Chloroform	4.06	83	789054	67.687	ug/l	94
31) Cyclohexane	3.88	56	632224	56.457	ug/l	95
32) 1,1,1-Trichloroethane	4.29	97	504020	74.259	ug/l	95
36) 1,1-Dichloropropene	4.48	75	527472	113.431	ug/l	100
37) Ethyl Acetate	4.30	43	243724	137.110	ug/l	87
38) Carbon Tetrachloride	4.19	117	454977	144.770	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	526819	91.026	ug/l	99
40) Benzene	4.82	78	1591379	117.587	ug/l	99
41) Methacrylonitrile	4.94	41	129277	130.821	ug/l	91
42) 1,2-Dichloroethane	5.13	62	358964	139.458	ug/l	100
43) Isopropyl Acetate	7.11	43	284282	121.063	ug/l #	68
44) Trichloroethene	5.69	130	264109	69.148	ug/l	61
45) 1,2-Dichloropropane	6.41	63	397948	117.174	ug/l	95
46) Dibromomethane	6.25	93	138033	69.613	ug/l	88
47) Bromodichloromethane	6.55	83	452365	112.021	ug/l	99
48) Methyl methacrylate	6.88	41	148968	123.095	ug/l #	54
49) 1,4-Dioxane	6.87	88	12054	755.661	ug/l #	33
51) 4-Methyl-2-Pentanone	8.40	43	1088208	649.103	ug/l	95
52) Toluene	7.77	92	410686	56.340	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	387284	115.737	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	571834	118.056	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	190363	87.415	ug/l	96
56) Ethyl methacrylate	8.75	69	267352	114.419	ug/l	97
57) 1,3-Dichloropropane	8.99	76	417838	117.496	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.45	63	488928	598.726	ug/l #	89
59) 2-Hexanone	9.63	43	716127	599.299	ug/l	96
60) Dibromochloromethane	8.86	129	252708	93.731	ug/l	99
61) 1,2-Dibromoethane	9.12	107	160738	71.071	ug/l #	73
64) Tetrachloroethene	8.30	164	241427	42.595	ug/l #	50
65) Chlorobenzene	9.94	112	474075	33.282	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.06	131	223332	39.369	ug/l	87
67) Ethyl Benzene	10.04	91	882125	36.088	ug/l	94
68) m/p-Xylenes	10.26	106	925914	98.990	ug/l #	61
69) o-Xylene	10.81	106	387196	40.886	ug/l #	1
70) Styrene	10.89	104	740533	53.052	ug/l #	92
71) Bromoform	10.88	173	178581	65.622	ug/l #	99
73) Isopropylbenzene	11.20	105	1177626	59.979	ug/l	91
74) N-amyl acetate	11.44	43	436911	78.955	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	11.76	83	331705	79.112	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	228844	82.339	ug/l	91
77) Bromobenzene	11.58	156	334100	67.725	ug/l	87
78) n-propylbenzene	11.67	91	1761783	74.316	ug/l	94
79) 2-Chlorotoluene	11.79	91	884316	65.192	ug/l	93
80) 1,3,5-Trimethylbenzene	11.89	105	918684	57.216	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.93	75	98146m	83.411	ug/l	
82) 4-Chlorotoluene	11.96	91	803407	60.267	ug/l	99
83) tert-Butylbenzene	12.20	119	907863	57.063	ug/l	91
84) 1,2,4-Trimethylbenzene	12.27	105	1143362	75.104	ug/l	100
85) sec-Butylbenzene	12.36	105	994230	47.425	ug/l	86
86) p-Isopropyltoluene	12.51	119	1344508	77.050	ug/l #	81
87) 1,3-Dichlorobenzene	12.53	146	481234	55.313	ug/l	87
88) 1,4-Dichlorobenzene	12.62	146	268609m	33.082	ug/l	
89) n-Butylbenzene	12.90	91	903441	51.469	ug/l #	59
90) Hexachloroethane	12.97	117	317091	74.505	ug/l	88
91) 1,2-Dichlorobenzene	13.00	146	552313	72.225	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	39385	86.219	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	325590	62.010	µg/l #	86
94) Hexachlorobutadiene	14.22	225	287276	79.088	µg/l	97
95) Naphthalene	14.48	128	624037	72.546	µg/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	369038	76.998	µg/l	97

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

