

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062625.D
 Acq On : 16 May 2019 14:09
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 4:20:22 PM

Quant Time: May 17 05:21:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	792904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1332058	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1039772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	501785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	388802	69.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.78%	
35) Dibromofluoromethane	4.32	113	686564	67.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.72%	
50) Toluene-d8	7.72	98	1686878	69.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.62%	
62) 4-Bromofluorobenzene	11.50	95	619429	67.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	760239	70.456	ug/l	99
3) Chloromethane	1.15	50	718640	72.331	ug/l	100
4) Vinyl Chloride	1.20	62	665839	72.805	ug/l	97
5) Bromomethane	1.41	94	351752	70.306	ug/l	92
6) Chloroethane	1.45	64	235523	70.120	ug/l	89
7) Trichlorofluoromethane	1.56	101	903380	78.086	ug/l	87
8) Diethyl Ether	1.72	74	185157	76.111	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.92	101	554349	70.896	ug/l	97
10) Methyl Iodide	1.98	142	1121697	73.027	ug/l	97
11) Tert butyl alcohol	2.70	59	136592	369.249	ug/l	98
12) 1,1-Dichloroethene	1.88	96	514295	72.203	ug/l	97
13) Acrolein	2.10	56	119574	309.663	ug/l	100
14) Allyl chloride	2.20	41	467120m	66.746	ug/l	
15) Acrylonitrile	3.10	53	383028	367.070	ug/l	94
16) Acetone	2.35	43	503359	346.282	ug/l	93
17) Carbon Disulfide	1.93	76	1541771	75.965	ug/l	99
18) Methyl Acetate	2.47	43	165006	66.424	ug/l	91
19) Methyl tert-butyl Ether	2.56	73	974573	76.538	ug/l	99
20) Methylene Chloride	2.34	84	486019m	67.094	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	520467	74.758	ug/l	96
22) Diisopropyl ether	2.95	45	1169950	73.583	ug/l	97
23) Vinyl Acetate	3.36	43	3886649	362.372	ug/l	98
24) 1,1-Dichloroethane	3.02	63	878229	75.294	ug/l	98
25) 2-Butanone	4.54	43	1111351	357.850	ug/l	98
26) 2,2-Dichloropropane	3.79	77	505669	75.770	ug/l	92
27) cis-1,2-Dichloroethene	3.66	96	850317	74.251	ug/l	99
28) Bromochloromethane	3.91	49	436099	66.664	ug/l	91
29) Tetrahydrofuran	4.27	42	462840	368.285	ug/l	100
30) Chloroform	4.06	83	1201664	74.202	ug/l	98
31) Cyclohexane	3.89	56	1165416	80.256	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	813609	75.649	ug/l	97
36) 1,1-Dichloropropene	4.48	75	969064	70.996	ug/l	97
37) Ethyl Acetate	4.31	43	381551	68.463	ug/l	91
38) Carbon Tetrachloride	4.19	117	722138m	75.093	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062625.D
 Acq On : 16 May 2019 14:09
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 4:20:22 PM

Quant Time: May 17 05:21:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	1193819	72.689	ug/l	95
40) Benzene	4.83	78	2652265	71.326	ug/l	98
41) Methacrylonitrile	4.94	41	201319	68.902	ug/l	93
42) 1,2-Dichloroethane	5.14	62	559887	75.505	ug/l	99
43) Isopropyl Acetate	7.12	43	481337	66.666	ug/l #	94
44) Trichloroethene	5.69	130	744665	71.253	ug/l	93
45) 1,2-Dichloropropane	6.42	63	672749	71.670	ug/l	95
46) Dibromomethane	6.27	93	386270	71.203	ug/l	94
47) Bromodichloromethane	6.56	83	829561	73.660	ug/l	99
48) Methyl methacrylate	6.88	41	275378	72.970	ug/l	95
49) 1,4-Dioxane	6.88	88	68517	1417.535	ug/l	95
51) 4-Methyl-2-Pentanone	8.41	43	1611255	326.478	ug/l	100
52) Toluene	7.79	92	1411040	72.356	ug/l	95
53) t-1,3-Dichloropropene	8.43	75	677278	73.507	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	940895	72.951	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	416337	72.104	ug/l	95
56) Ethyl methacrylate	8.77	69	477845	69.463	ug/l	96
57) 1,3-Dichloropropane	9.00	76	727209	73.941	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.46	63	797257	356.051	ug/l	99
59) 2-Hexanone	9.62	43	1142096	316.513	ug/l	99
60) Dibromochloromethane	8.87	129	575461	76.468	ug/l	98
61) 1,2-Dibromoethane	9.14	107	471470	76.874	ug/l	94
64) Tetrachloroethene	8.31	164	591844	71.849	ug/l	98
65) Chlorobenzene	9.94	112	1478916	72.417	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	585528	71.420	ug/l	100
67) Ethyl Benzene	10.04	91	2507413	70.676	ug/l	97
68) m/p-Xylenes	10.27	106	1893191	141.981	ug/l	97
69) o-Xylene	10.83	106	1020946	74.336	ug/l	89
70) Styrene	10.90	104	1448635	69.395	ug/l	99
71) Bromoform	10.89	173	310110	75.525	ug/l #	100
73) Isopropylbenzene	11.22	105	2589673	72.008	ug/l	96
74) N-amyl acetate	11.45	43	632304	56.990	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	507757	69.086	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	316644	65.569	ug/l	92
77) Bromobenzene	11.59	156	635184	71.054	ug/l	97
78) n-propylbenzene	11.67	91	2821231	66.285	ug/l	100
79) 2-Chlorotoluene	11.80	91	1677434	69.933	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	1921043	66.617	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	152816m	56.956	ug/l	
82) 4-Chlorotoluene	11.98	91	1652733	69.872	ug/l	94
83) tert-Butylbenzene	12.20	119	2042731	69.820	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	1962264	70.305	ug/l	93
85) sec-Butylbenzene	12.37	105	2683371	68.343	ug/l	96
86) p-Isopropyltoluene	12.52	119	2301464	69.553	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	1138158	70.372	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	1059812	69.828	ug/l	95
89) n-Butylbenzene	12.90	91	2118335	64.931	ug/l	99
90) Hexachloroethane	12.98	117	569314	71.723	ug/l	85
91) 1,2-Dichlorobenzene	13.01	146	986768	68.446	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	66750	76.130	ug/l	92

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051619\
Data File : VF062625.D
Acq On : 16 May 2019 14:09
Operator : FY/SY
Sample : VSTDICC075
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC075

Manual Integrations
APPROVED

MMDadoda
5/17/2019 4:20:22 PM

Quant Time: May 17 05:21:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 04:56:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	741233	71.828	ug/l	100
94) Hexachlorobutadiene	14.23	225	537667	74.658	ug/l	96
95) Naphthalene	14.49	128	1297453	69.207	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	716067	73.257	ug/l	98

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

