

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062279.D
 Acq On : 24 Apr 2019 14:17
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 9:20:59 AM

Quant Time: Apr 25 08:10:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 07:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	471851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	669248	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	468160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	284313	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	36875	9.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	19.28%	
35) Dibromofluoromethane	4.31	113	49028	9.63	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	19.26%	
50) Toluene-d8	7.72	98	108793	8.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	17.90%	
62) 4-Bromofluorobenzene	11.51	95	48993	9.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	19.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	63794	10.928	ug/l	93
3) Chloromethane	1.15	50	49047	10.032	ug/l	90
4) Vinyl Chloride	1.20	62	50044	10.912	ug/l	96
5) Bromomethane	1.38	94	31847	10.288	ug/l	91
6) Chloroethane	1.45	64	19919	9.912	ug/l	90
7) Trichlorofluoromethane	1.56	101	78438	10.842	ug/l #	81
8) Diethyl Ether	1.72	74	13132	10.100	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.93	101	51345	11.322	ug/l	98
10) Methyl Iodide	1.99	142	82621m	10.467	ug/l	
11) Tert butyl alcohol	2.71	59	10946	48.048	ug/l #	79
12) 1,1-Dichloroethene	1.88	96	43582	10.474	ug/l	97
13) Acrolein	2.10	56	4256m	28.208	ug/l	
14) Allyl chloride	2.20	41	46403	7.397	ug/l #	61
15) Acrylonitrile	3.10	53	32383	49.149	ug/l	95
16) Acetone	2.35	43	44435	51.980	ug/l	96
17) Carbon Disulfide	1.93	76	111264	10.312	ug/l #	88
18) Methyl Acetate	2.47	43	21866	10.316	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	77360	10.090	ug/l	98
20) Methylene Chloride	2.36	84	58262m	10.773	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	40406	10.110	ug/l	90
22) Diisopropyl ether	2.94	45	131202	10.988	ug/l	99
23) Vinyl Acetate	3.35	43	272908	52.754	ug/l	99
24) 1,1-Dichloroethane	3.02	63	70732	10.559	ug/l	99
25) 2-Butanone	4.54	43	68368	50.461	ug/l	100
26) 2,2-Dichloropropane	3.79	77	36228	10.355	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	54247	10.611	ug/l	96
28) Bromochloromethane	3.92	49	28977	9.892	ug/l #	90
29) Tetrahydrofuran	4.28	42	30564	51.757	ug/l	95
30) Chloroform	4.06	83	88353	10.575	ug/l	95
31) Cyclohexane	3.89	56	66837	10.315	ug/l #	83
32) 1,1,1-Trichloroethane	4.29	97	57982	9.318	ug/l #	71
36) 1,1-Dichloropropene	4.49	75	65493	10.304	ug/l	100
37) Ethyl Acetate	4.31	43	28044	10.745	ug/l #	98
38) Carbon Tetrachloride	4.19	117	58553	9.428	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062279.D
 Acq On : 24 Apr 2019 14:17
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 9:20:59 AM

Quant Time: Apr 25 08:10:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 07:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	76570	10.222	ug/l	97
40) Benzene	4.83	78	158420	10.333	ug/l	99
41) Methacrylonitrile	4.94	41	14223	9.757	ug/l #	88
42) 1,2-Dichloroethane	5.14	62	48956	10.398	ug/l	97
43) Isopropyl Acetate	7.13	43	24957	9.066	ug/l #	97
44) Trichloroethene	5.69	130	55272	10.659	ug/l	97
45) 1,2-Dichloropropane	6.42	63	35423	10.489	ug/l #	89
46) Dibromomethane	6.27	93	24375	9.964	ug/l	95
47) Bromodichloromethane	6.57	83	57200	9.932	ug/l	93
48) Methyl methacrylate	6.88	41	19385	10.263	ug/l	96
49) 1,4-Dioxane	6.88	88	4512	208.720	ug/l #	89
51) 4-Methyl-2-Pentanone	8.41	43	108595	51.560	ug/l	94
52) Toluene	7.79	92	87986	10.006	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	40327	9.615	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	53548	9.832	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	24847	10.338	ug/l	90
56) Ethyl methacrylate	8.77	69	24475	9.110	ug/l	94
57) 1,3-Dichloropropane	9.01	76	37636	9.957	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	42577	51.297	ug/l	99
59) 2-Hexanone	9.63	43	75087	36.557	ug/l	100
60) Dibromochloromethane	8.86	129	38416	9.920	ug/l	97
61) 1,2-Dibromoethane	9.14	107	27190	9.708	ug/l	97
64) Tetrachloroethene	8.31	164	41604	10.339	ug/l	95
65) Chlorobenzene	9.94	112	88327	10.172	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	44051	10.525	ug/l	95
67) Ethyl Benzene	10.04	91	163171	10.594	ug/l	95
68) m/p-Xylenes	10.26	106	119055	20.934	ug/l	95
69) o-Xylene	10.83	106	65653	10.284	ug/l	100
70) Styrene	10.90	104	94715	10.256	ug/l	99
71) Bromoform	10.89	173	23735	10.449	ug/l #	98
73) Isopropylbenzene	11.22	105	208669	10.280	ug/l	99
74) N-amyl acetate	11.46	43	45634	9.902	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	31727	10.452	ug/l	94
76) 1,2,3-Trichloropropane	11.87	75	22491	10.268	ug/l #	100
77) Bromobenzene	11.59	156	49144	10.039	ug/l	99
78) n-propylbenzene	11.67	91	221437	10.483	ug/l	96
79) 2-Chlorotoluene	11.80	91	130322	10.381	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	176040	10.365	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	10457m	8.221	ug/l	
82) 4-Chlorotoluene	11.98	91	126412	10.161	ug/l	98
83) tert-Butylbenzene	12.21	119	184918	10.385	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	176718	10.581	ug/l	98
85) sec-Butylbenzene	12.37	105	226692	10.255	ug/l	100
86) p-Isopropyltoluene	12.52	119	204164	10.376	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	92800	10.418	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	86389	10.342	ug/l	98
89) n-Butylbenzene	12.91	91	196336	10.700	ug/l	93
90) Hexachloroethane	12.98	117	52389	10.731	ug/l	92
91) 1,2-Dichlorobenzene	13.00	146	90149	10.528	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	6050	9.805	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
Data File : VF062279.D
Acq On : 24 Apr 2019 14:17
Operator : FY/SY
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:20:59 AM

Quant Time: Apr 25 08:10:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 25 07:31:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	78454	10.341	ug/l	99
94) Hexachlorobutadiene	14.24	225	55465	10.300	ug/l	98
95) Naphthalene	14.50	128	112087	9.950	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	73868	10.578	ug/l	100

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

