

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061829.D
 Acq On : 4 Mar 2019 20:21
 Operator : VA/AP
 Sample : VF0304SBL01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0304SBL01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 10:48:06 AM

Quant Time: Mar 05 05:38:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	307448	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	451467	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	389448	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	225154	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	131789	58.45	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	116.90%	
35) Dibromofluoromethane	4.12	113	187580	55.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.90%	
50) Toluene-d8	7.56	98	514805	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
62) 4-Bromofluorobenzene	11.41	95	211905	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	0.97	85	982	0.278	ug/l	86
3) Chloromethane	1.25	50	192	0.052	ug/l	99
4) Vinyl Chloride	1.15	62	101	0.029	ug/l #	40
5) Bromomethane	1.29	94	210	0.089	ug/l #	3
6) Chloroethane	1.40	64	162	0.095	ug/l #	40
7) Trichlorofluoromethane	1.44	101	82	0.020	ug/l #	20
8) Diethyl Ether	1.49	74	62	0.059	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.89	101	72	0.024	ug/l #	22
10) Methyl Iodide	1.80	142	59	0.010	ug/l #	39
12) 1,1-Dichloroethene	1.78	96	65	0.025	ug/l #	1
14) Allyl chloride	2.07	41	497	0.154	ug/l #	68
17) Carbon Disulfide	1.83	76	69	0.008	ug/l #	73
19) Methyl tert-butyl Ether	2.44	73	428	0.095	ug/l #	25
20) Methylene Chloride	2.18	84	12696m	4.345	ug/l	
21) trans-1,2-Dichloroethene	2.34	96	338	0.118	ug/l #	1
22) Diisopropyl ether	2.81	45	2412	0.311	ug/l #	79
23) Vinyl Acetate	3.20	43	978	0.258	ug/l #	74
24) 1,1-Dichloroethane	2.90	63	274	0.058	ug/l #	86
26) 2,2-Dichloropropane	3.51	77	66	0.033	ug/l #	52
27) cis-1,2-Dichloroethene	3.47	96	89	0.024	ug/l	1
30) Chloroform	3.83	83	67	0.013	ug/l #	18
31) Cyclohexane	3.73	56	67	0.013	ug/l #	16
32) 1,1,1-Trichloroethane	4.13	97	70	0.020	ug/l #	22
36) 1,1-Dichloropropene	4.28	75	69	0.015	ug/l #	37
37) Ethyl Acetate	4.13	43	737	0.355	ug/l #	30
39) Methylcyclohexane	5.47	83	395	0.075	ug/l #	68
40) Benzene	4.65	78	431	0.037	ug/l #	52
41) Methacrylonitrile	4.74	41	496	0.467	ug/l #	25
42) 1,2-Dichloroethane	4.97	62	70	0.025	ug/l	67
43) Isopropyl Acetate	6.94	43	556	0.226	ug/l #	43
44) Trichloroethene	5.50	130	90	0.024	ug/l	5
45) 1,2-Dichloropropane	6.25	63	122	0.043	ug/l #	44
46) Dibromomethane	5.94	93	81	0.047	ug/l #	1
47) Bromodichloromethane	6.53	83	66	0.017	ug/l #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061829.D
 Acq On : 4 Mar 2019 20:21
 Operator : VA/AP
 Sample : VF0304SBL01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0304SBL01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 10:48:06 AM

Quant Time: Mar 05 05:38:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

48) Methyl methacrylate	6.73	41	433	0.293	ug/l #	50
52) Toluene	7.65	92	476	0.067	ug/l #	25
53) t-1,3-Dichloropropene	8.29	75	60	0.019	ug/l #	42
56) Ethyl methacrylate	8.63	69	682	0.294	ug/l #	54
57) 1,3-Dichloropropane	8.74	76	60	0.017	ug/l #	40
64) Tetrachloroethene	8.15	164	134	0.042	ug/l #	42
65) Chlorobenzene	9.80	112	649	0.082	ug/l #	42
67) Ethyl Benzene	9.92	91	1253	0.095	ug/l #	45
68) m/p-Xylenes	10.13	106	730	0.145	ug/l	80
69) o-Xylene	10.70	106	218	0.041	ug/l	62
70) Styrene	10.78	104	951	0.125	ug/l #	67
73) Isopropylbenzene	11.13	105	1096	0.068	ug/l	88
74) N-amyl acetate	11.38	43	1628	0.423	ug/l #	85
76) 1,2,3-Trichloropropane	11.79	75	458	0.235	ug/l	81
77) Bromobenzene	11.50	156	440	0.111	ug/l	78
78) n-propylbenzene	11.59	91	2608	0.142	ug/l	87
79) 2-Chlorotoluene	11.72	91	793	0.077	ug/l	71
80) 1,3,5-Trimethylbenzene	11.82	105	1706	0.133	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.88	75	562	0.600	ug/l #	45
82) 4-Chlorotoluene	11.90	91	1558	0.146	ug/l	90
83) tert-Butylbenzene	12.12	119	1239	0.087	ug/l #	81
84) 1,2,4-Trimethylbenzene	12.20	105	1780	0.140	ug/l	93
85) sec-Butylbenzene	12.30	105	2438	0.133	ug/l	96
86) p-Isopropyltoluene	12.46	119	2091	0.136	ug/l	92
87) 1,3-Dichlorobenzene	12.47	146	1185	0.153	ug/l #	56
88) 1,4-Dichlorobenzene	12.57	146	1422	0.192	ug/l #	73
89) n-Butylbenzene	12.84	91	2267	0.156	ug/l	86
90) Hexachloroethane	12.92	117	209	0.058	ug/l #	13
91) 1,2-Dichlorobenzene	12.93	146	1088	0.148	ug/l	72
93) 1,2,4-Trichlorobenzene	14.20	180	1423	0.270	ug/l	97
94) Hexachlorobutadiene	14.20	225	359	0.110	ug/l #	41
95) Naphthalene	14.46	128	3527	0.383	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.60	180	1019	0.211	ug/l	86

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

