

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062242.D
 Acq On : 22 Apr 2019 14:02
 Operator : FY/SY
 Sample : VF0422SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 9:22:25 AM

Quant Time: Apr 23 01:21:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	443124	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	604633	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	487737	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	285420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	233584	57.49	ug/l	0.02
Spiked Amount	50.000		Recovery	=	114.98%	
35) Dibromofluoromethane	4.31	113	302367	57.17	ug/l	0.02
Spiked Amount	50.000		Recovery	=	114.34%	
50) Toluene-d8	7.71	98	771289	57.61	ug/l	0.02
Spiked Amount	50.000		Recovery	=	115.22%	
62) 4-Bromofluorobenzene	11.50	95	300103	58.27	ug/l	0.02
Spiked Amount	50.000		Recovery	=	116.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	144990	21.531	ug/l	98
3) Chloromethane	1.15	50	130758	18.786	ug/l	96
4) Vinyl Chloride	1.20	62	122620	20.505	ug/l	98
5) Bromomethane	1.38	94	71805	20.670	ug/l	96
6) Chloroethane	1.43	64	46600	18.641	ug/l	98
7) Trichlorofluoromethane	1.56	101	167409	22.037	ug/l	94
8) Diethyl Ether	1.71	74	30614	19.362	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.91	101	109981	21.192	ug/l	98
10) Methyl Iodide	1.98	142	195863	21.244	ug/l #	89
11) Tert butyl alcohol	2.69	59	26161	92.625	ug/l	99
12) 1,1-Dichloroethene	1.87	96	96433	19.536	ug/l	94
13) Acrolein	2.10	56	15823	109.919	ug/l	93
14) Allyl chloride	2.20	41	140948m	24.881	ug/l	
15) Acrylonitrile	3.09	53	75995	88.341	ug/l	97
16) Acetone	2.35	43	93462	96.232	ug/l	96
17) Carbon Disulfide	1.92	76	272120	19.839	ug/l	95
18) Methyl Acetate	2.46	43	42018	16.130	ug/l	98
19) Methyl tert-butyl Ether	2.56	73	184351	21.152	ug/l	98
20) Methylene Chloride	2.33	84	108153m	18.762	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	93343	19.122	ug/l	93
22) Diisopropyl ether	2.94	45	283986	19.597	ug/l	98
23) Vinyl Acetate	3.35	43	675858	97.891	ug/l	99
24) 1,1-Dichloroethane	3.01	63	163770	20.660	ug/l	99
25) 2-Butanone	4.53	43	174529	89.871	ug/l	98
26) 2,2-Dichloropropane	3.78	77	87723	21.919	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	125161	19.799	ug/l	99
28) Bromochloromethane	3.91	49	77303	20.357	ug/l #	95
29) Tetrahydrofuran	4.27	42	78397	89.188	ug/l	99
30) Chloroform	4.06	83	198508	20.376	ug/l	99
31) Cyclohexane	3.88	56	170295	17.926	ug/l	90
32) 1,1,1-Trichloroethane	4.29	97	167020	23.422	ug/l #	89
36) 1,1-Dichloropropene	4.48	75	161778	22.317	ug/l	98
37) Ethyl Acetate	4.31	43	61718	18.042	ug/l #	99
38) Carbon Tetrachloride	4.19	117	156155m	24.336	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062242.D
 Acq On : 22 Apr 2019 14:02
 Operator : FY/SY
 Sample : VF0422SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 9:22:25 AM

Quant Time: Apr 23 01:21:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	176436	20.328	ug/l	93
40) Benzene	4.82	78	402725	21.180	ug/l	97
41) Methacrylonitrile	4.93	41	38587	19.556	ug/l	93
42) 1,2-Dichloroethane	5.13	62	113904	22.660	ug/l	100
43) Isopropyl Acetate	7.12	43	68678	19.089	ug/l #	97
44) Trichloroethene	5.68	130	114855	22.354	ug/l	99
45) 1,2-Dichloropropane	6.41	63	84335	20.136	ug/l	99
46) Dibromomethane	6.26	93	59384	21.310	ug/l	93
47) Bromodichloromethane	6.56	83	134924	21.456	ug/l #	99
48) Methyl methacrylate	6.88	41	45289	19.154	ug/l	97
49) 1,4-Dioxane	6.87	88	10246	377.854	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	282117	105.425	ug/l	97
52) Toluene	7.78	92	218462	21.796	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	116635	24.694	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	149000	23.322	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	69425	24.725	ug/l	98
56) Ethyl methacrylate	8.76	69	68207	21.366	ug/l	94
57) 1,3-Dichloropropane	8.99	76	99512	21.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	102025	110.077	ug/l	95
59) 2-Hexanone	9.62	43	165445	99.226	ug/l	93
60) Dibromochloromethane	8.87	129	104135	24.938	ug/l	100
61) 1,2-Dibromoethane	9.13	107	74244	23.470	ug/l	97
64) Tetrachloroethene	8.31	164	105448	23.950	ug/l	97
65) Chlorobenzene	9.94	112	233689	22.470	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	106834	21.936	ug/l	99
67) Ethyl Benzene	10.03	91	416160	22.006	ug/l	97
68) m/p-Xylenes	10.27	106	310153	44.552	ug/l	99
69) o-Xylene	10.82	106	167395	21.657	ug/l	98
70) Styrene	10.90	104	250015	22.921	ug/l	99
71) Bromoform	10.88	173	60543	23.545	ug/l #	99
73) Isopropylbenzene	11.21	105	503678	20.543	ug/l	100
74) N-amyl acetate	11.45	43	107364	17.007	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	82863	19.652	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	56130m	19.349	ug/l	
77) Bromobenzene	11.59	156	118815	22.622	ug/l	90
78) n-propylbenzene	11.67	91	539272	20.850	ug/l	100
79) 2-Chlorotoluene	11.80	91	322982	20.586	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	416179	20.381	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	28841m	19.494	ug/l	
82) 4-Chlorotoluene	11.97	91	314986	20.774	ug/l	97
83) tert-Butylbenzene	12.20	119	444146	21.032	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	410121	20.754	ug/l	100
85) sec-Butylbenzene	12.37	105	560073	20.429	ug/l	100
86) p-Isopropyltoluene	12.52	119	484663	20.840	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	212054	21.757	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	199507	21.222	ug/l	99
89) n-Butylbenzene	12.90	91	460642	21.083	ug/l	98
90) Hexachloroethane	12.98	117	120460	20.171	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	204280	21.706	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	15651	18.893	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042219\
Data File : VF062242.D
Acq On : 22 Apr 2019 14:02
Operator : FY/SY
Sample : VF0422SBS01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Manual Integrations
APPROVED

MMDadoda
4/23/2019 9:22:25 AM

Quant Time: Apr 23 01:21:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 19 23:52:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	176567	22.424	ug/l	96
94) Hexachlorobutadiene	14.23	225	120586	22.334	ug/l	99
95) Naphthalene	14.49	128	266132	19.330	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	160629	21.249	ug/l	100

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

