

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062519.D
 Acq On : 13 May 2019 00:08
 Operator : FY/SY
 Sample : VF0512SBSD02
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:25:41 PM

Quant Time: May 13 07:01:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	272884	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	372540	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	328427	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	194551	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	139493	54.09	ug/l	0.03
Spiked Amount 50.000			Recovery	=	108.18%	
35) Dibromofluoromethane	4.33	113	160888	54.21	ug/l	0.03
Spiked Amount 50.000			Recovery	=	108.42%	
50) Toluene-d8	7.73	98	368614	51.31	ug/l	0.03
Spiked Amount 50.000			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.51	95	169646	52.34	ug/l	0.02
Spiked Amount 50.000			Recovery	=	104.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	70693	22.384	ug/l	94
3) Chloromethane	1.15	50	45400	21.796	ug/l	92
4) Vinyl Chloride	1.20	62	41560	20.004	ug/l	95
5) Bromomethane	1.38	94	38436	23.171	ug/l	93
6) Chloroethane	1.45	64	24250	23.216	ug/l	98
7) Trichlorofluoromethane	1.56	101	99061	22.981	ug/l	97
8) Diethyl Ether	1.72	74	13011	19.948	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.93	101	58455	23.752	ug/l	97
10) Methyl Iodide	1.99	142	98726m	24.343	ug/l	
11) Tert butyl alcohol	2.70	59	14149	97.077	ug/l #	89
12) 1,1-Dichloroethene	1.89	96	43814	20.942	ug/l	92
13) Acrolein	2.11	56	10275	101.511	ug/l	86
14) Allyl chloride	2.21	41	63966	34.611	ug/l	95
15) Acrylonitrile	3.10	53	29745	107.737	ug/l	99
16) Acetone	2.35	43	41661	79.858	ug/l	96
17) Carbon Disulfide	1.92	76	95812m	21.003	ug/l	
18) Methyl Acetate	2.48	43	20013	19.100	ug/l	98
19) Methyl tert-butyl Ether	2.56	73	90716	21.005	ug/l	100
20) Methylene Chloride	2.35	84	40969m	21.706	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	41793	20.966	ug/l	99
22) Diisopropyl ether	2.95	45	127493	22.072	ug/l	95
23) Vinyl Acetate	3.35	43	247119	95.991	ug/l	100
24) 1,1-Dichloroethane	3.03	63	81515	23.350	ug/l	98
25) 2-Butanone	4.55	43	63069	96.229	ug/l	98
26) 2,2-Dichloropropane	3.80	77	44545	22.849	ug/l	100
27) cis-1,2-Dichloroethene	3.67	96	54701	21.953	ug/l	92
28) Bromochloromethane	3.93	49	32877	20.766	ug/l #	98
29) Tetrahydrofuran	4.28	42	26994	89.615	ug/l	94
30) Chloroform	4.07	83	113055	23.971	ug/l	91
31) Cyclohexane	3.90	56	61332	22.011	ug/l	96
32) 1,1,1-Trichloroethane	4.31	97	97222	24.052	ug/l	98
36) 1,1-Dichloropropene	4.50	75	66500	20.780	ug/l	99
37) Ethyl Acetate	4.32	43	25425	16.916	ug/l #	90
38) Carbon Tetrachloride	4.20	117	89185m	25.506	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062519.D
 Acq On : 13 May 2019 00:08
 Operator : FY/SY
 Sample : VF0512SBSD02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0512SBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:25:41 PM

Quant Time: May 13 07:01:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	69742	21.729	ug/l	98
40) Benzene	4.84	78	150222	21.317	ug/l	97
41) Methacrylonitrile	4.95	41	15101	19.679	ug/l	95
42) 1,2-Dichloroethane	5.15	62	66630	22.607	ug/l	99
43) Isopropyl Acetate	7.13	43	25113	17.252	ug/l #	100
44) Trichloroethene	5.70	130	59025	22.801	ug/l	97
45) 1,2-Dichloropropane	6.42	63	37940	23.769	ug/l	99
46) Dibromomethane	6.28	93	31206	23.579	ug/l	97
47) Bromodichloromethane	6.57	83	77607	23.454	ug/l #	98
48) Methyl methacrylate	6.89	41	19389	18.848	ug/l	94
49) 1,4-Dioxane	6.89	88	4062	375.783	ug/l	95
51) 4-Methyl-2-Pentanone	8.42	43	111370	100.970	ug/l	97
52) Toluene	7.80	92	100225	23.054	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	51255	20.481	ug/l	94
54) cis-1,3-Dichloropropene	7.47	75	63366	21.756	ug/l	98
55) 1,1,2-Trichloroethane	8.66	97	32503	23.551	ug/l #	85
56) Ethyl methacrylate	8.78	69	27740	19.041	ug/l	94
57) 1,3-Dichloropropane	9.01	76	46592	22.350	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.47	63	37141	84.799	ug/l	99
59) 2-Hexanone	9.63	43	71945	94.313	ug/l	98
60) Dibromochloromethane	8.87	129	50204	22.242	ug/l	99
61) 1,2-Dibromoethane	9.15	107	34505	21.272	ug/l	98
64) Tetrachloroethene	8.32	164	62345	23.383	ug/l	99
65) Chlorobenzene	9.95	112	128148	23.582	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.08	131	59000	21.523	ug/l	97
67) Ethyl Benzene	10.05	91	211062	22.181	ug/l	99
68) m/p-Xylenes	10.27	106	162633	46.323	ug/l	97
69) o-Xylene	10.83	106	85925	22.649	ug/l	98
70) Styrene	10.91	104	127387	22.405	ug/l	98
71) Bromoform	10.90	173	29557	19.681	ug/l #	96
73) Isopropylbenzene	11.22	105	267161	23.164	ug/l	100
74) N-amyl acetate	11.46	43	53764	21.713	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	39520	21.884	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	30746	22.316	ug/l #	100
77) Bromobenzene	11.60	156	69999	23.125	ug/l	98
78) n-propylbenzene	11.68	91	262956	21.414	ug/l	95
79) 2-Chlorotoluene	11.80	91	179642	23.527	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	237060	23.450	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	10924m	21.093	ug/l	
82) 4-Chlorotoluene	11.98	91	176054	23.345	ug/l	99
83) tert-Butylbenzene	12.21	119	249728	23.505	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	237153	23.972	ug/l	99
85) sec-Butylbenzene	12.37	105	319337	24.694	ug/l	99
86) p-Isopropyltoluene	12.53	119	279353	23.251	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	129140	23.360	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	126824	23.769	ug/l	99
89) n-Butylbenzene	12.91	91	257312	24.072	ug/l	98
90) Hexachloroethane	12.99	117	67742	22.581	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	126827	23.702	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	8007	19.791	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051219\
Data File : VF062519.D
Acq On : 13 May 2019 00:08
Operator : FY/SY
Sample : VF0512SBSD02
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD02

Manual Integrations
APPROVED

MMDadoda
5/13/2019 12:25:41 PM

Quant Time: May 13 07:01:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	114713	23.901	ug/l	100
94) Hexachlorobutadiene	14.24	225	87482	24.455	ug/l	97
95) Naphthalene	14.50	128	149809	20.761	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	106464	22.896	ug/l	97

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

