

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062178.D
 Acq On : 16 Apr 2019 16:17
 Operator : FY/SY
 Sample : VF0416SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 11:49:54 AM

Quant Time: Apr 17 08:20:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	400465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	596114	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	457573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	236910	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	182309	50.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.12%	
35) Dibromofluoromethane	4.32	113	243909	51.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.74%	
50) Toluene-d8	7.72	98	613857	44.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.34%	
62) 4-Bromofluorobenzene	11.50	95	237379	43.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	133049	22.645	ug/l	97
3) Chloromethane	1.14	50	140504	22.220	ug/l	98
4) Vinyl Chloride	1.19	62	126314	22.832	ug/l	95
5) Bromomethane	1.37	94	62185	17.479	ug/l	97
6) Chloroethane	1.45	64	45197	17.255	ug/l	99
7) Trichlorofluoromethane	1.55	101	141472	21.381	ug/l	99
8) Diethyl Ether	1.71	74	29933	22.410	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.91	101	100405	23.233	ug/l	98
10) Methyl Iodide	1.98	142	178354	22.170	ug/l	99
11) Tert butyl alcohol	2.70	59	24765	123.893	ug/l #	86
12) 1,1-Dichloroethene	1.87	96	95511	21.731	ug/l	91
13) Acrolein	2.11	56	20168	128.085	ug/l	93
14) Allyl chloride	2.21	41	162267	24.520	ug/l	96
15) Acrylonitrile	3.09	53	91708	123.473	ug/l	98
16) Acetone	2.34	43	91571	112.622	ug/l	92
17) Carbon Disulfide	1.91	76	272638	21.898	ug/l	100
18) Methyl Acetate	2.46	43	39395	19.006	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	173998	23.801	ug/l	99
20) Methylene Chloride	2.29	84	131505m	31.775	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	91730	21.814	ug/l	92
22) Diisopropyl ether	2.95	45	283221	23.023	ug/l	97
23) Vinyl Acetate	3.35	43	616256	100.429	ug/l	99
24) 1,1-Dichloroethane	3.01	63	153514	22.410	ug/l	98
25) 2-Butanone	4.52	43	167907	96.134	ug/l	99
26) 2,2-Dichloropropane	3.78	77	89642	24.879	ug/l	98
27) cis-1,2-Dichloroethene	3.66	96	120571	21.600	ug/l	95
28) Bromochloromethane	3.91	49	69597	21.217	ug/l	95
29) Tetrahydrofuran	4.28	42	78041	100.461	ug/l	100
30) Chloroform	4.06	83	182661	21.448	ug/l	95
31) Cyclohexane	3.88	56	192275	21.725	ug/l	96
32) 1,1,1-Trichloroethane	4.30	97	139738	24.062	ug/l	98
36) 1,1-Dichloropropene	4.48	75	133222	20.114	ug/l	99
37) Ethyl Acetate	4.31	43	62771	20.568	ug/l #	81
38) Carbon Tetrachloride	4.19	117	131828	23.125	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062178.D
 Acq On : 16 Apr 2019 16:17
 Operator : FY/SY
 Sample : VF0416SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0416SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 11:49:54 AM

Quant Time: Apr 17 08:20:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	181887	21.914	ug/l	98
40) Benzene	4.83	78	364998	20.863	ug/l	97
41) Methacrylonitrile	4.94	41	35524	19.373	ug/l	94
42) 1,2-Dichloroethane	5.13	62	86118	19.448	ug/l	98
43) Isopropyl Acetate	7.12	43	68327	19.378	ug/l	97
44) Trichloroethene	5.69	130	92955	19.851	ug/l	93
45) 1,2-Dichloropropane	6.42	63	82869	19.308	ug/l	95
46) Dibromomethane	6.27	93	50331	19.447	ug/l	96
47) Bromodichloromethane	6.56	83	113812	19.411	ug/l	98
48) Methyl methacrylate	6.88	41	42751	18.518	ug/l	94
49) 1,4-Dioxane	6.88	88	9969	554.134	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	277634	102.180	ug/l	97
52) Toluene	7.79	92	193051	18.784	ug/l	95
53) t-1,3-Dichloropropene	8.43	75	89241	17.571	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	123476	19.120	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	54827	18.626	ug/l	96
56) Ethyl methacrylate	8.76	69	69998	19.998	ug/l	97
57) 1,3-Dichloropropane	9.00	76	88376	18.262	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.45	63	72102	79.949	ug/l	99
59) 2-Hexanone	9.63	43	177304	102.676	ug/l	96
60) Dibromochloromethane	8.86	129	77031	19.020	ug/l	95
61) 1,2-Dibromoethane	9.14	107	61257	19.451	ug/l	96
64) Tetrachloroethene	8.31	164	75317	20.153	ug/l	98
65) Chlorobenzene	9.93	112	191183	20.085	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	89221	22.704	ug/l	95
67) Ethyl Benzene	10.03	91	359604	20.380	ug/l	97
68) m/p-Xylenes	10.26	106	265442	40.867	ug/l	88
69) o-Xylene	10.82	106	146910	20.891	ug/l	91
70) Styrene	10.89	104	202786	19.828	ug/l	97
71) Bromoform	10.88	173	43210	20.997	ug/l #	95
73) Isopropylbenzene	11.22	105	449344	22.016	ug/l	97
74) N-amyl acetate	11.45	43	118806	23.163	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	75360	20.727	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	48678	19.742	ug/l	100
77) Bromobenzene	11.58	156	85017	20.029	ug/l	92
78) n-propylbenzene	11.68	91	483470	20.840	ug/l	96
79) 2-Chlorotoluene	11.80	91	280337	20.500	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	368129	21.626	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	26584m	21.557	ug/l	
82) 4-Chlorotoluene	11.97	91	267123	19.933	ug/l	99
83) tert-Butylbenzene	12.20	119	370836	21.939	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	352123	21.315	ug/l	95
85) sec-Butylbenzene	12.37	105	489151	22.008	ug/l	98
86) p-Isopropyltoluene	12.52	119	419292	22.144	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	163526	21.057	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	150614	19.892	ug/l	96
89) n-Butylbenzene	12.90	91	417253	20.811	ug/l	94
90) Hexachloroethane	12.97	117	101399	21.862	ug/l	80
91) 1,2-Dichlorobenzene	13.00	146	156245	20.965	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	13889	21.210	ug/l	86

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF041619\
Data File : VF062178.D
Acq On : 16 Apr 2019 16:17
Operator : FY/SY
Sample : VF0416SBSD01
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBSD01

Manual Integrations
APPROVED

MMDadoda
4/17/2019 11:49:54 AM

Quant Time: Apr 17 08:20:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 07:56:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	131226	23.445	µg/l	97
94) Hexachlorobutadiene	14.23	225	84887	23.271	µg/l	99
95) Naphthalene	14.50	128	227711	23.286	µg/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	121115	23.225	µg/l	95

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

