

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062700.D
 Acq On : 22 May 2019 12:38
 Operator : FY/SY
 Sample : VF0522SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 12:16:32 PM

Quant Time: May 23 01:50:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	803815	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	1298676	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	872466	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.60	152	401031	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	278250	48.99	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.98%	
35) Dibromofluoromethane	4.30	113	492798	49.59	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	7.70	98	1054442	44.44	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	88.88%	
62) 4-Bromofluorobenzene	11.49	95	352485	39.17	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	78.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	204121	18.660	ug/l	92
3) Chloromethane	1.14	50	174581	17.333	ug/l	94
4) Vinyl Chloride	1.20	62	175039	18.880	ug/l #	87
5) Bromomethane	1.41	94	102947	20.297	ug/l	99
6) Chloroethane	1.44	64	60961	17.903	ug/l #	80
7) Trichlorofluoromethane	1.56	101	247859	19.910	ug/l	88
8) Diethyl Ether	1.71	74	48645	19.725	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.92	101	168932	21.311	ug/l	96
10) Methyl Iodide	1.99	142	332170	21.332	ug/l	97
11) Tert butyl alcohol	2.69	59	37427	99.803	ug/l #	81
12) 1,1-Dichloroethene	1.88	96	145804	20.192	ug/l	96
13) Acrolein	2.09	56	36203	92.483	ug/l	98
14) Allyl chloride	2.19	41	116913	17.889	ug/l	84
15) Acrylonitrile	3.08	53	153895	145.481	ug/l #	90
16) Acetone	2.34	43	112523	76.359	ug/l #	89
17) Carbon Disulfide	1.92	76	405098m	18.928	ug/l	
18) Methyl Acetate	2.46	43	46759	20.192	ug/l	93
19) Methyl tert-butyl Ether	2.54	73	268604	20.808	ug/l	98
20) Methylene Chloride	2.34	84	155930m	21.110	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	156212m	22.133	ug/l	
22) Diisopropyl ether	2.93	45	303391	18.822	ug/l #	90
23) Vinyl Acetate	3.34	43	1133501	104.248	ug/l	97
24) 1,1-Dichloroethane	3.00	63	255657	21.621	ug/l	99
25) 2-Butanone	4.51	43	287120	91.196	ug/l	96
26) 2,2-Dichloropropane	3.77	77	145556	21.514	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	257503	22.180	ug/l	91
28) Bromochloromethane	3.89	49	131831	19.879	ug/l	99
29) Tetrahydrofuran	4.26	42	123102	96.624	ug/l	95
30) Chloroform	4.05	83	346451	21.103	ug/l	99
31) Cyclohexane	3.86	56	315577m	19.876	ug/l	
32) 1,1,1-Trichloroethane	4.27	97	227412	20.858	ug/l	93
36) 1,1-Dichloropropene	4.46	75	272308	20.463	ug/l	98
37) Ethyl Acetate	4.28	43	102259	18.820	ug/l #	96
38) Carbon Tetrachloride	4.18	117	195461	19.530	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062700.D
 Acq On : 22 May 2019 12:38
 Operator : FY/SY
 Sample : VF0522SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0522SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 12:16:32 PM

Quant Time: May 23 01:50:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	321653	20.088	ug/l	97
40) Benzene	4.82	78	811208	22.376	ug/l	99
41) Methacrylonitrile	4.92	41	55671	19.543	ug/l	94
42) 1,2-Dichloroethane	5.12	62	156497	21.647	ug/l	97
43) Isopropyl Acetate	7.10	43	122312	17.376	ug/l	97
44) Trichloroethene	5.67	130	206263	20.244	ug/l	99
45) 1,2-Dichloropropane	6.39	63	194021	21.201	ug/l	94
46) Dibromomethane	6.26	93	116899	22.103	ug/l	96
47) Bromodichloromethane	6.54	83	235056	21.408	ug/l	94
48) Methyl methacrylate	6.87	41	64531	17.539	ug/l	95
49) 1,4-Dioxane	6.87	88	15815	335.604	ug/l	93
51) 4-Methyl-2-Pentanone	8.39	43	467287	97.117	ug/l	98
52) Toluene	7.77	92	398709	20.971	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	185197	20.617	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	262894	20.907	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	109466	19.445	ug/l	98
56) Ethyl methacrylate	8.75	69	118318	17.642	ug/l	95
57) 1,3-Dichloropropane	8.99	76	191760	19.999	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.44	63	200913	92.033	ug/l	95
59) 2-Hexanone	9.62	43	303304	85.132	ug/l	93
60) Dibromochloromethane	8.85	129	148833	20.285	ug/l	100
61) 1,2-Dibromoethane	9.12	107	119769	20.031	ug/l	98
64) Tetrachloroethene	8.30	164	161741	23.400	ug/l	99
65) Chlorobenzene	9.92	112	379774	22.162	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	161488	23.475	ug/l	95
67) Ethyl Benzene	10.02	91	649016	21.802	ug/l	95
68) m/p-Xylenes	10.25	106	485314	43.376	ug/l	80
69) o-Xylene	10.81	106	244362	21.204	ug/l	93
70) Styrene	10.88	104	355086	20.272	ug/l	99
71) Bromoform	10.87	173	76020	22.064	ug/l #	97
73) Isopropylbenzene	11.20	105	688725	23.962	ug/l	96
74) N-amyl acetate	11.44	43	187916	22.755	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	134945	22.974	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	87593	22.695	ug/l	95
77) Bromobenzene	11.57	156	158975	22.251	ug/l	92
78) n-propylbenzene	11.67	91	781578	22.977	ug/l	95
79) 2-Chlorotoluene	11.78	91	441112	23.010	ug/l	96
80) 1,3,5-Trimethylbenzene	11.88	105	555099	24.085	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.93	75	39666m	23.121	ug/l	
82) 4-Chlorotoluene	11.96	91	443302	23.450	ug/l	95
83) tert-Butylbenzene	12.19	119	584067	24.979	ug/l	97
84) 1,2,4-Trimethylbenzene	12.26	105	537466	24.095	ug/l	93
85) sec-Butylbenzene	12.36	105	780129	24.861	ug/l	92
86) p-Isopropyltoluene	12.51	119	642461	24.294	ug/l	95
87) 1,3-Dichlorobenzene	12.53	146	308393	23.859	ug/l	93
88) 1,4-Dichlorobenzene	12.61	146	265819	21.914	ug/l	98
89) n-Butylbenzene	12.89	91	644730	24.727	ug/l	92
90) Hexachloroethane	12.97	117	160615	25.318	ug/l	81
91) 1,2-Dichlorobenzene	12.99	146	275199	23.885	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	18621	26.573	ug/l	55

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
Data File : VF062700.D
Acq On : 22 May 2019 12:38
Operator : FY/SY
Sample : VF0522SBSD01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Manual Integrations
APPROVED

MMDadoda
5/23/2019 12:16:32 PM

Quant Time: May 23 01:50:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	202302	24.529	ug/l	93
94) Hexachlorobutadiene	14.22	225	135584	23.557	ug/l	98
95) Naphthalene	14.49	128	315619	21.065	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	180246	23.073	ug/l	96

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

