

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062780.D
 Acq On : 29 May 2019 14:14
 Operator : FY/SY
 Sample : VF0529SBS02
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS02

Manual Integrations
 APPROVED

mmdadoda
 5/30/2019 11:02:38 AM

Quant Time: May 30 09:01:09 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	5.10	168	170422	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.82	114	586838	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.94	117	612714	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	328799	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.09	65	177886	147.71	ug/l	0.05
Spiked Amount	50.000		Recovery	=	295.42%	
35) Dibromofluoromethane	4.38	113	158369	35.27	ug/l	0.06
Spiked Amount	50.000		Recovery	=	70.54%	
50) Toluene-d8	7.74	98	562117	52.43	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.86%	
62) 4-Bromofluorobenzene	11.52	95	277422	68.22	ug/l	0.01
Spiked Amount	50.000		Recovery	=	136.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.09	85	57145	24.640	ug/l	100
3) Chloromethane	1.20	50	43188	20.224	ug/l	88
4) Vinyl Chloride	1.26	62	46177	23.492	ug/l	91
5) Bromomethane	1.42	94	44943	41.794	ug/l	83
6) Chloroethane	1.48	64	21640	29.975	ug/l #	72
7) Trichlorofluoromethane	1.60	101	84272	31.929	ug/l	95
8) Diethyl Ether	1.76	74	27201	52.022	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.97	101	50702	30.169	ug/l	89
10) Methyl Iodide	2.01	142	132377	40.097	ug/l	95
11) Tert butyl alcohol	2.80	59	37442m	470.921	ug/l	
12) 1,1-Dichloroethene	1.90	96	40043	26.156	ug/l	98
13) Acrolein	2.15	56	21725	261.763	ug/l	92
14) Allyl chloride	2.26	41	63106	45.544	ug/l	90
15) Acrylonitrile	3.17	53	65806	293.413	ug/l #	95
16) Acetone	2.41	43	121454	388.739	ug/l #	85
17) Carbon Disulfide	1.93	76	131114	28.895	ug/l	96
18) Methyl Acetate	2.53	43	33739	68.720	ug/l	98
19) Methyl tert-butyl Ether	2.64	73	166151	60.710	ug/l	92
20) Methylene Chloride	2.35	84	72118	46.051	ug/l #	87
21) trans-1,2-Dichloroethene	2.49	96	45052	30.107	ug/l	87
22) Diisopropyl ether	3.01	45	157107	45.973	ug/l #	88
23) Vinyl Acetate	3.42	43	511692	221.964	ug/l #	93
24) 1,1-Dichloroethane	3.08	63	94080	37.527	ug/l	97
25) 2-Butanone	4.62	43	125712	188.331	ug/l	94
26) 2,2-Dichloropropane	3.87	77	84829	59.138	ug/l	75
27) cis-1,2-Dichloroethene	3.72	96	56312	22.878	ug/l	98
28) Bromochloromethane	3.97	49	39206	27.884	ug/l	98
29) Tetrahydrofuran	4.36	42	58552	216.766	ug/l	97
30) Chloroform	4.14	83	123331	35.432	ug/l	98
31) Cyclohexane	3.96	56	45713	13.580	ug/l #	76
32) 1,1,1-Trichloroethane	4.37	97	89036	38.517	ug/l	92
36) 1,1-Dichloropropene	4.53	75	62426	10.381	ug/l	85
37) Ethyl Acetate	4.39	43	66168	26.950	ug/l #	46
38) Carbon Tetrachloride	4.26	117	74587	16.493	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062780.D
 Acq On : 29 May 2019 14:14
 Operator : FY/SY
 Sample : VF0529SBS02
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS02

Manual Integrations
 APPROVED

mmdadoda
 5/30/2019 11:02:38 AM

Quant Time: May 30 09:01:09 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	5.68	83	51702	7.146	ug/l #	80
40) Benzene	4.87	78	154940	9.458	ug/l	96
41) Methacrylonitrile	5.00	41	28539	22.171	ug/l #	75
42) 1,2-Dichloroethane	5.19	62	105888	32.413	ug/l	87
43) Isopropyl Acetate	7.18	43	150236	47.231	ug/l	96
44) Trichloroethene	5.72	130	52566	11.417	ug/l	87
45) 1,2-Dichloropropane	6.46	63	117108	28.319	ug/l	89
46) Dibromomethane	6.30	93	86252	36.090	ug/l	84
47) Bromodichloromethane	6.60	83	144979	29.221	ug/l	96
48) Methyl methacrylate	6.94	41	76316	45.902	ug/l	98
49) 1,4-Dioxane	6.96	88	20918	982.337	ug/l #	82
51) 4-Methyl-2-Pentanone	8.45	43	520368	239.334	ug/l	97
52) Toluene	7.81	92	209294	24.361	ug/l	83
53) t-1,3-Dichloropropene	8.46	75	156096	38.456	ug/l	97
54) cis-1,3-Dichloropropene	7.50	75	181444	31.933	ug/l	94
55) 1,1,2-Trichloroethane	8.67	97	108080	42.488	ug/l	94
56) Ethyl methacrylate	8.80	69	134874	44.504	ug/l	94
57) 1,3-Dichloropropane	9.03	76	181691	41.934	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.50	63	258231	261.775	ug/l	99
59) 2-Hexanone	9.67	43	409101	292.213	ug/l	98
60) Dibromochloromethane	8.90	129	126809	38.249	ug/l	90
61) 1,2-Dibromoethane	9.17	107	116220	43.014	ug/l	100
64) Tetrachloroethene	8.33	164	69344	14.286	ug/l	99
65) Chlorobenzene	9.96	112	275322	22.878	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.09	131	108440	22.446	ug/l	94
67) Ethyl Benzene	10.06	91	403297	19.291	ug/l	96
68) m/p-Xylenes	10.29	106	292819	37.266	ug/l	82
69) o-Xylene	10.84	106	151962	18.776	ug/l	91
70) Styrene	10.92	104	270382	21.980	ug/l	95
71) Bromoform	10.90	173	84651	34.985	ug/l #	99
73) Isopropylbenzene	11.23	105	356561	15.131	ug/l	94
74) N-amyl acetate	11.47	43	199674	31.281	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	151152	31.386	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	98591	31.157	ug/l	98
77) Bromobenzene	11.60	156	120100	20.503	ug/l	89
78) n-propylbenzene	11.70	91	447622	16.050	ug/l	92
79) 2-Chlorotoluene	11.81	91	274010	17.434	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	289856	15.340	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.96	75	49504m	35.194	ug/l	
82) 4-Chlorotoluene	11.99	91	282601	18.233	ug/l	96
83) tert-Butylbenzene	12.22	119	290595	15.158	ug/l	89
84) 1,2,4-Trimethylbenzene	12.29	105	321033	17.554	ug/l	93
85) sec-Butylbenzene	12.39	105	370886	14.416	ug/l	93
86) p-Isopropyltoluene	12.53	119	328961	15.172	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	211292	19.937	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	216251	21.744	ug/l	99
89) n-Butylbenzene	12.92	91	332317	15.545	ug/l	87
90) Hexachloroethane	12.99	117	81426	15.655	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	203945	21.589	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17942	31.229	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052919\
Data File : VF062780.D
Acq On : 29 May 2019 14:14
Operator : FY/SY
Sample : VF0529SBS02
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Manual Integrations
APPROVED

mmdadoda
5/30/2019 11:02:38 AM

Quant Time: May 30 09:01:09 2019
Quant Method : Z:\V0ASRV\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	14.26	180	153537	22.706	ug/l	98
94) Hexachlorobutadiene	14.25	225	68852	14.590	ug/l	97
95) Naphthalene	14.51	128	314459	25.598	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	153211	23.921	ug/l	93

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

