

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059643.D
 Acq On : 24 Jul 2018 21:12
 Operator : VA/AP
 Sample : VF0724SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 93 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0724SBS01

Manual Integrations
 APPROVED

apatel
 7/25/2018 2:34:03 PM

Quant Time: Jul 25 05:26:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	246267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	330144	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	314738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	205072	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	168224	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	4.28	113	160189	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
50) Toluene-d8	7.70	98	392790	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
62) 4-Bromofluorobenzene	11.50	95	192432	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	60997	21.157	ug/l	93
3) Chloromethane	1.07	50	32623	21.569	ug/l	91
4) Vinyl Chloride	1.15	62	34654	21.769	ug/l	99
5) Bromomethane	1.33	94	25246	20.215	ug/l	100
6) Chloroethane	1.41	64	18345	19.162	ug/l	97
7) Trichlorofluoromethane	1.48	101	91264m	21.125	ug/l	
8) Diethyl Ether	1.70	74	12127	20.160	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.88	101	52424	23.254	ug/l	96
10) Methyl Iodide	1.92	142	75926	21.338	ug/l	98
11) Tert butyl alcohol	2.67	59	13288	103.987	ug/l #	84
12) 1,1-Dichloroethene	1.84	96	37246	22.002	ug/l	83
13) Acrolein	2.08	56	4479	71.490	ug/l	83
14) Allyl chloride	2.18	41	60650	20.766	ug/l	99
15) Acrylonitrile	3.07	53	21268	96.692	ug/l #	84
16) Acetone	2.33	43	45480	84.827	ug/l	95
17) Carbon Disulfide	1.83	76	104485	24.119	ug/l	98
18) Methyl Acetate	2.45	43	16182	17.427	ug/l	93
19) Methyl tert-butyl Ether	2.53	73	92429	20.808	ug/l	99
20) Methylene Chloride	2.27	84	34773	21.085	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	37918	21.429	ug/l	93
22) Diisopropyl ether	2.92	45	115351	20.591	ug/l	97
23) Vinyl Acetate	3.32	43	256932	99.422	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	88467	22.199	ug/l	99
25) 2-Butanone	4.50	43	65696	102.081	ug/l	96
26) 2,2-Dichloropropane	3.75	77	64425	19.555	ug/l	93
27) cis-1,2-Dichloroethene	3.62	96	44314	20.462	ug/l	95
28) Bromochloromethane	3.87	49	29883	20.562	ug/l	91
29) Tetrahydrofuran	4.24	42	23476	87.882	ug/l	99
30) Chloroform	4.02	83	116410	21.055	ug/l	95
31) Cyclohexane	3.84	56	56748	24.464	ug/l	91
32) 1,1,1-Trichloroethane	4.26	97	102966	21.853	ug/l	99
36) 1,1-Dichloropropene	4.45	75	76625	22.654	ug/l	95
37) Ethyl Acetate	4.28	43	27934	21.524	ug/l #	89
38) Carbon Tetrachloride	4.15	117	107282	22.984	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059643.D
 Acq On : 24 Jul 2018 21:12
 Operator : VA/AP
 Sample : VF0724SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 93 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0724SBS01

Manual Integrations
 APPROVED

apatel
 7/25/2018 2:34:03 PM

Quant Time: Jul 25 05:26:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	69672	25.397	ug/l	98
40) Benzene	4.79	78	142568	22.785	ug/l	100
41) Methacrylonitrile	4.90	41	13473	21.295	ug/l	92
42) 1,2-Dichloroethane	5.11	62	77822	20.990	ug/l	98
43) Isopropyl Acetate	7.10	43	28190	18.950	ug/l #	90
44) Trichloroethene	5.66	130	54284	23.505	ug/l	95
45) 1,2-Dichloropropane	6.40	63	35689	22.528	ug/l	98
46) Dibromomethane	6.24	93	26957	20.145	ug/l	92
47) Bromodichloromethane	6.54	83	83679	21.388	ug/l	92
48) Methyl methacrylate	6.86	41	21482	19.617	ug/l	98
49) 1,4-Dioxane	6.85	88	3452	409.632	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	107515	98.334	ug/l	95
52) Toluene	7.77	92	96011	21.700	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	61883	19.850	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	69340	21.041	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	29540	21.174	ug/l	97
56) Ethyl methacrylate	8.74	69	29431	19.735	ug/l	89
57) 1,3-Dichloropropane	8.99	76	50357	21.083	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	20073	104.863	ug/l	100
59) 2-Hexanone	9.62	43	77331	92.617	ug/l	90
60) Dibromochloromethane	8.85	129	52280	20.268	ug/l	99
61) 1,2-Dibromoethane	9.13	107	31596	18.547	ug/l	98
64) Tetrachloroethene	8.29	164	57606	23.098	ug/l #	92
65) Chlorobenzene	9.93	112	123231	21.133	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	55503	20.533	ug/l	96
67) Ethyl Benzene	10.03	91	234207	22.351	ug/l	99
68) m/p-Xylenes	10.26	106	172440	46.059	ug/l	97
69) o-Xylene	10.82	106	89874	22.551	ug/l	96
70) Styrene	10.89	104	123762	21.503	ug/l	97
71) Bromoform	10.88	173	30771	20.221	ug/l	88
73) Isopropylbenzene	11.22	105	292443	22.690	ug/l	97
74) N-amyl acetate	11.45	43	50906	18.420	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	40060	20.525	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	32979	20.457	ug/l	98
77) Bromobenzene	11.59	156	68616	21.762	ug/l	84
78) n-propylbenzene	11.68	91	343588	22.395	ug/l	98
79) 2-Chlorotoluene	11.81	91	198591	21.508	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	251632	21.976	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	20056	20.211	ug/l #	92
82) 4-Chlorotoluene	11.99	91	211935	21.510	ug/l	100
83) tert-Butylbenzene	12.20	119	250044	21.660	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	252481	21.483	ug/l	97
85) sec-Butylbenzene	12.38	105	334784	21.752	ug/l	100
86) p-Isopropyltoluene	12.53	119	289920	21.638	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	131726	20.633	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	127701	20.890	ug/l	96
89) n-Butylbenzene	12.91	91	297210	22.488	ug/l	97
90) Hexachloroethane	12.99	117	68195	20.864	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	123504	20.962	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	8998	17.878	ug/l	70

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072418\
Data File : VF059643.D
Acq On : 24 Jul 2018 21:12
Operator : VA/AP
Sample : VF0724SBS01
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 93 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

Manual Integrations
APPROVED

apatel
7/25/2018 2:34:03 PM

Quant Time: Jul 25 05:26:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 02:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	93622	18.830	µg/l	97
94) Hexachlorobutadiene	14.25	225	69953	20.552	µg/l	95
95) Naphthalene	14.52	128	138852	19.019	µg/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	81581	19.599	µg/l	99

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

