

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060176.D
 Acq On : 29 Aug 2018 5:32
 Operator : VA/AP
 Sample : VF0829SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Manual Integrations
 APPROVED

apatel
 8/29/2018 2:02:25 PM

Quant Time: Aug 29 07:49:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 29 03:22:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	71821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	72258	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	59943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	28150	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	20061	44.72	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.44%	
35) Dibromofluoromethane	4.28	113	23565	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	7.71	98	86901	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
62) 4-Bromofluorobenzene	11.50	95	29665	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	27150	18.37	ug/l	89
3) Chloromethane	1.07	50	10127	18.38	ug/l	98
4) Vinyl Chloride	1.12	62	9876	17.89	ug/l	96
5) Bromomethane	1.32	94	5530	20.04	ug/l	92
6) Chloroethane	1.41	64	5794	17.55	ug/l	95
7) Trichlorofluoromethane	1.49	101	48072	19.03	ug/l	96
8) Diethyl Ether	1.69	74	1824	19.32	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.86	101	23095	20.78	ug/l	96
10) Methyl Iodide	1.93	142	8708	16.34	ug/l	98
11) Tert butyl alcohol	2.62	59	720	107.82	ug/l #	64
12) 1,1-Dichloroethene	1.82	96	12585	18.16	ug/l	99
13) Acrolein	2.08	56	1108	116.84	ug/l #	58
14) Allyl chloride	2.18	41	10818	18.80	ug/l	89
15) Acrylonitrile	3.05	53	2267	103.97	ug/l #	84
16) Acetone	2.32	43	5280	85.50	ug/l #	91
17) Carbon Disulfide	1.84	76	38294	18.81	ug/l #	92
18) Methyl Acetate	2.43	43	2823	31.37	ug/l #	63
19) Methyl tert-butyl Ether	2.50	73	9730	19.06	ug/l #	88
20) Methylene Chloride	2.27	84	6353	15.63	ug/l #	78
21) trans-1,2-Dichloroethene	2.40	96	10847	18.54	ug/l	90
22) Diisopropyl ether	2.90	45	17348	18.32	ug/l #	92
23) Vinyl Acetate	3.31	43	19608	88.89	ug/l	99
24) 1,1-Dichloroethane	2.99	63	17441	17.69	ug/l #	98
25) 2-Butanone	4.46	43	4098	77.56	ug/l #	80
26) 2,2-Dichloropropane	3.75	77	11949	17.91	ug/l	95
27) cis-1,2-Dichloroethene	3.61	96	8193	19.91	ug/l	97
28) Bromochloromethane	3.87	49	3978	18.74	ug/l #	80
29) Tetrahydrofuran	4.24	42	2019	83.75	ug/l #	75
30) Chloroform	4.01	83	19129m	17.30	ug/l	
31) Cyclohexane	3.85	56	19034	20.15	ug/l	91
32) 1,1,1-Trichloroethane	4.28	97	28150	17.81	ug/l	93
36) 1,1-Dichloropropene	4.45	75	19034	19.09	ug/l #	79
37) Ethyl Acetate	4.24	43	3255	26.48	ug/l #	1
38) Carbon Tetrachloride	4.16	117	26803	19.52	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060176.D
 Acq On : 29 Aug 2018 5:32
 Operator : VA/AP
 Sample : VF0829SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0829SBS01

Manual Integrations
 APPROVED

apatel
 8/29/2018 2:02:25 PM

Quant Time: Aug 29 07:49:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 29 03:22:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	22941	23.75	ug/l	90
40) Benzene	4.81	78	27871	20.53	ug/l	99
41) Methacrylonitrile	4.90	41	1593	22.85	ug/l #	81
42) 1,2-Dichloroethane	5.09	62	9215	18.85	ug/l	96
43) Isopropyl Acetate	7.09	43	2450	15.82	ug/l #	82
44) Trichloroethene	5.66	130	12185	20.92	ug/l	88
45) 1,2-Dichloropropane	6.38	63	5955	20.73	ug/l	90
46) Dibromomethane	6.26	93	3152	20.30	ug/l #	52
47) Bromodichloromethane	6.53	83	10047	17.76	ug/l #	93
48) Methyl methacrylate	6.86	41	2248	18.63	ug/l	91
49) 1,4-Dioxane	6.85	88	368	500.02	ug/l #	19
51) 4-Methyl-2-Pentanone	8.40	43	13318	98.41	ug/l	95
52) Toluene	7.76	92	22401	21.36	ug/l	88
53) t-1,3-Dichloropropene	8.42	75	5505	17.47	ug/l	90
54) cis-1,3-Dichloropropene	7.45	75	7700	19.63	ug/l #	87
55) 1,1,2-Trichloroethane	8.62	97	3452	19.22	ug/l	88
56) Ethyl methacrylate	8.74	69	3061	20.40	ug/l #	75
57) 1,3-Dichloropropane	8.99	76	6196	19.91	ug/l #	83
58) 2-Chloroethyl Vinyl ether	7.77	63	4367	100.81	ug/l	100
59) 2-Hexanone	9.62	43	9587	100.93	ug/l	99
60) Dibromochloromethane	8.86	129	5277	17.72	ug/l	73
61) 1,2-Dibromoethane	9.13	107	3540	19.23	ug/l #	64
64) Tetrachloroethene	8.30	164	15901	21.55	ug/l	87
65) Chlorobenzene	9.93	112	24299	20.21	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	8482	21.01	ug/l	92
67) Ethyl Benzene	10.03	91	54063	19.75	ug/l	97
68) m/p-Xylenes	10.27	106	38812	41.35	ug/l	94
69) o-Xylene	10.82	106	15855	19.75	ug/l	89
70) Styrene	10.90	104	19923	20.08	ug/l	95
71) Bromoform	10.89	173	2948	20.04	ug/l	95
73) Isopropylbenzene	11.22	105	69343	22.49	ug/l	100
74) N-amyl acetate	11.46	43	4620	20.02	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	11.78	83	4427	21.41	ug/l	77
76) 1,2,3-Trichloropropane	11.88	75	3795	21.40	ug/l	85
77) Bromobenzene	11.59	156	8353	18.61	ug/l	64
78) n-propylbenzene	11.69	91	81853	22.06	ug/l	95
79) 2-Chlorotoluene	11.81	91	37441	21.71	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	48378	20.71	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.94	75	700	17.13	ug/l	94
82) 4-Chlorotoluene	11.98	91	35397	20.92	ug/l	97
83) tert-Butylbenzene	12.21	119	56463	23.06	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	43381	21.82	ug/l	95
85) sec-Butylbenzene	12.39	105	86678	23.65	ug/l	95
86) p-Isopropyltoluene	12.54	119	59283	21.80	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	19740	20.57	ug/l	94
88) 1,4-Dichlorobenzene	12.64	146	17858	20.63	ug/l	95
89) n-Butylbenzene	12.92	91	46642	20.01	ug/l	89
90) Hexachloroethane	12.99	117	12101	20.74	ug/l	91
91) 1,2-Dichlorobenzene	13.02	146	13899	18.74	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.71	75	654	18.46	ug/l	77

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082918\
Data File : VF060176.D
Acq On : 29 Aug 2018 5:32
Operator : VA/AP
Sample : VF0829SBSD01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBSD01

Manual Integrations
APPROVED

apatel
8/29/2018 2:02:25 PM

Quant Time: Aug 29 07:49:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 29 03:22:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	6036	18.98	ug/l	95
94) Hexachlorobutadiene	14.25	225	14056	21.41	ug/l	93
95) Naphthalene	14.52	128	4572	20.19	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.66	180	4368	17.93	ug/l	91

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

