

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060553.D
 Acq On : 30 Oct 2018 19:11
 Operator : VA/AP
 Sample : J5696-03MSD
 Misc : 4.70/5mL/MSVOA_F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MSD

Manual Integrations
 APPROVED

MMDadoda
 10/31/2018 11:36:43 AM

Quant Time: Oct 31 05:54:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	127651	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	195136	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	135739	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	55151	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	122720	62.33	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	124.66%	
35) Dibromofluoromethane	4.28	113	113310	60.51	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	121.02%	
50) Toluene-d8	7.70	98	217108	47.48	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	11.51	95	78307	37.16	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	74.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	167239	79.79	ug/l	96
3) Chloromethane	1.14	50	88571	67.99	ug/l	# 78
4) Vinyl Chloride	1.20	62	98949	64.65	ug/l	97
5) Bromomethane	1.37	94	105205	87.47	ug/l	96
6) Chloroethane	1.42	64	59724	74.95	ug/l	91
7) Trichlorofluoromethane	1.55	101	307129	83.29	ug/l	96
8) Diethyl Ether	1.70	74	30657	66.29	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.90	101	114306	70.62	ug/l	98
10) Methyl Iodide	1.96	142	192125	68.88	ug/l	95
11) Tert butyl alcohol	2.68	59	25446	323.96	ug/l	95
12) 1,1-Dichloroethene	1.86	96	97407	67.90	ug/l	90
13) Acrolein	2.08	56	13716	191.08	ug/l	89
14) Allyl chloride	2.18	41	139995	61.37	ug/l	93
15) Acrylonitrile	3.06	53	45686	232.04	ug/l	95
16) Acetone	2.33	43	101838	269.68	ug/l	# 91
17) Carbon Disulfide	1.89	76	240504	59.65	ug/l	# 93
18) Methyl Acetate	2.44	43	79636	126.98	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	229345	71.35	ug/l	98
20) Methylene Chloride	2.27	84	89500	69.29	ug/l	# 77
21) trans-1,2-Dichloroethene	2.41	96	98954	67.44	ug/l	86
22) Diisopropyl ether	2.91	45	287444	69.37	ug/l	95
23) Vinyl Acetate	3.32	43	128898	83.87	ug/l	# 93
24) 1,1-Dichloroethane	2.99	63	213770	71.50	ug/l	99
25) 2-Butanone	4.50	43	98828	210.16	ug/l	93
26) 2,2-Dichloropropane	3.76	77	136106	73.25	ug/l	83
27) cis-1,2-Dichloroethene	3.63	96	86604	48.95	ug/l	87
28) Bromochloromethane	3.88	49	61978	57.55	ug/l	96
29) Tetrahydrofuran	4.24	42	41390	251.63	ug/l	95
30) Chloroform	4.02	83	256467	67.92	ug/l	92
31) Cyclohexane	3.86	56	75370	35.31	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	231684	74.22	ug/l	97
36) 1,1-Dichloropropene	4.45	75	137717	56.64	ug/l	95
37) Ethyl Acetate	4.28	43	35625	45.26	ug/l	# 33
38) Carbon Tetrachloride	4.16	117	211466m	72.64	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060553.D
 Acq On : 30 Oct 2018 19:11
 Operator : VA/AP
 Sample : J5696-03MSD
 Misc : 4.70/5mL/MSVOA_F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 DL-SED-01MSD

Manual Integrations
 APPROVED

MMDadoda
 10/31/2018 11:36:43 AM

Quant Time: Oct 31 05:54:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	59922	24.41	ug/l	90
40) Benzene	4.80	78	256335	53.16	ug/l	95
41) Methacrylonitrile	4.90	41	21085	46.86	ug/l	94
42) 1,2-Dichloroethane	5.11	62	156204	69.76	ug/l	89
43) Isopropyl Acetate	7.10	43	30722	32.25	ug/l #	76
44) Trichloroethene	5.66	130	81746	52.44	ug/l	89
45) 1,2-Dichloropropane	6.39	63	61135	50.80	ug/l	98
46) Dibromomethane	6.24	93	55893	59.15	ug/l	98
47) Bromodichloromethane	6.54	83	158392	65.32	ug/l	94
48) Methyl methacrylate	6.86	41	36278	55.21	ug/l #	78
49) 1,4-Dioxane	6.86	88	5337	873.05	ug/l #	83
51) 4-Methyl-2-Pentanone	8.39	43	159856	231.64	ug/l	90
52) Toluene	7.77	92	143558	45.86	ug/l	91
53) t-1,3-Dichloropropene	8.42	75	102231	53.97	ug/l	96
54) cis-1,3-Dichloropropene	7.44	75	116569	51.93	ug/l #	87
55) 1,1,2-Trichloroethane	8.63	97	43572	46.45	ug/l	97
56) Ethyl methacrylate	8.76	69	36484	34.66	ug/l #	84
57) 1,3-Dichloropropane	8.99	76	81273	51.20	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.77	63	34461	317.69	ug/l #	100
59) 2-Hexanone	9.62	43	100658	194.28	ug/l	88
60) Dibromochloromethane	8.85	129	84530	55.94	ug/l	94
61) 1,2-Dibromoethane	9.12	107	52144	48.02	ug/l	96
64) Tetrachloroethene	8.29	164	56941	49.63	ug/l	91
65) Chlorobenzene	9.93	112	147686	54.08	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	81220	65.27	ug/l	90
67) Ethyl Benzene	10.03	91	287716	55.14	ug/l	96
68) m/p-Xylenes	10.26	106	174629	97.99	ug/l	87
69) o-Xylene	10.82	106	99090	49.37	ug/l	70
70) Styrene	10.89	104	128320	45.35	ug/l	90
71) Bromoform	10.88	173	38628	60.18	ug/l #	92
73) Isopropylbenzene	11.22	105	277090	65.72	ug/l	98
74) N-amyl acetate	11.46	43	25770	30.52	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.78	83	49806	70.80	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	41903	79.18	ug/l	88
77) Bromobenzene	11.58	156	60379	65.09	ug/l	98
78) n-propylbenzene	11.68	91	275900	55.18	ug/l	99
79) 2-Chlorotoluene	11.80	91	190622	63.69	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	213717	58.67	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	15200m	65.76	ug/l	
82) 4-Chlorotoluene	11.98	91	200456	64.60	ug/l	93
83) tert-Butylbenzene	12.21	119	210611	59.66	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	216767	58.58	ug/l	96
85) sec-Butylbenzene	12.38	105	212924	43.04	ug/l	96
86) p-Isopropyltoluene	12.53	119	180723	44.51	ug/l	94
87) 1,3-Dichlorobenzene	12.55	146	97739	52.79	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	98200	56.20	ug/l	96
89) n-Butylbenzene	12.92	91	160214	41.45	ug/l	92
90) Hexachloroethane	12.98	117	47452	45.28	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	92935	53.28	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11302	77.48	ug/l	77

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
Data File : VF060553.D
Acq On : 30 Oct 2018 19:11
Operator : VA/AP
Sample : J5696-03MSD
Misc : 4.70/5mL/MSVOA_F/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MSD

Manual Integrations
APPROVED

MMDadoda
10/31/2018 11:36:43 AM

Quant Time: Oct 31 05:54:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 30 05:31:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	41026	31.40	ug/l	97
94) Hexachlorobutadiene	14.25	225	19782	21.38	ug/l	92
95) Naphthalene	14.51	128	91099	39.41	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	29821	23.98	ug/l	91

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

