

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110218\
 Data File : VF060566.D
 Acq On : 2 Nov 2018 18:16
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF110218

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 3:55:40 PM

Quant Time: Nov 03 04:46:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	263183	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	430339	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	381725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	208768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	132907	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
35) Dibromofluoromethane	4.12	113	163544	49.19	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.38%	
50) Toluene-d8	7.56	98	486836	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.42	95	216088	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	137724	50.089	ug/l	96
3) Chloromethane	1.10	50	100947	43.826	ug/l	99
4) Vinyl Chloride	1.14	62	91504	43.112	ug/l #	87
5) Bromomethane	1.34	94	59119	49.622	ug/l	92
6) Chloroethane	1.38	64	39430	51.589	ug/l	97
7) Trichlorofluoromethane	1.49	101	199459	50.209	ug/l	97
8) Diethyl Ether	1.63	74	30616	41.583	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.82	101	102546	45.173	ug/l	93
10) Methyl Iodide	1.89	142	170247	45.574	ug/l	93
11) Tert butyl alcohol	2.58	59	35193	252.790	ug/l	96
12) 1,1-Dichloroethene	1.78	96	79941	41.811	ug/l	87
13) Acrolein	2.01	56	18587	207.366	ug/l	93
14) Allyl chloride	2.11	41	151347	48.479	ug/l	96
15) Acrylonitrile	2.95	53	70563	222.658	ug/l	99
16) Acetone	2.24	43	146501	233.806	ug/l	98
17) Carbon Disulfide	1.84	76	235299m	43.690	ug/l	
18) Methyl Acetate	2.35	43	54581	56.020	ug/l	100
19) Methyl tert-butyl Ether	2.44	73	216611	48.465	ug/l	99
20) Methylene Chloride	2.23	84	95868m	51.798	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	96704	48.211	ug/l	97
22) Diisopropyl ether	2.81	45	317671	48.027	ug/l #	98
23) Vinyl Acetate	3.20	43	933872	234.987	ug/l	99
24) 1,1-Dichloroethane	2.88	63	182496	47.674	ug/l	99
25) 2-Butanone	4.35	43	293885	249.278	ug/l	100
26) 2,2-Dichloropropane	3.61	77	134675	47.018	ug/l	99
27) cis-1,2-Dichloroethene	3.49	96	173040	45.190	ug/l	99
28) Bromochloromethane	3.72	49	111476	46.404	ug/l	99
29) Tetrahydrofuran	4.08	42	125219	271.024	ug/l	99
30) Chloroform	3.87	83	297578	49.135	ug/l	97
31) Cyclohexane	3.70	56	235965	44.669	ug/l	95
32) 1,1,1-Trichloroethane	4.10	97	224507	53.077	ug/l	98
36) 1,1-Dichloropropene	4.29	75	226280	47.755	ug/l	98
37) Ethyl Acetate	4.13	43	112060	49.267	ug/l #	78
38) Carbon Tetrachloride	4.00	117	212140	52.395	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110218\
 Data File : VF060566.D
 Acq On : 2 Nov 2018 18:16
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 ICVVF110218

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 3:55:40 PM

Quant Time: Nov 03 04:46:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	280184	48.455	ug/l	98
40) Benzene	4.64	78	563794	49.019	ug/l	99
41) Methacrylonitrile	4.76	41	62395	48.439	ug/l	98
42) 1,2-Dichloroethane	4.95	62	172987	52.403	ug/l	94
43) Isopropyl Acetate	6.97	43	163583	56.856	ug/l	99
44) Trichloroethene	5.51	130	170468	49.316	ug/l	96
45) 1,2-Dichloropropane	6.25	63	146389	49.765	ug/l	99
46) Dibromomethane	6.09	93	98322	52.687	ug/l	97
47) Bromodichloromethane	6.39	83	229275	50.936	ug/l	98
48) Methyl methacrylate	6.72	41	91630	50.673	ug/l	96
49) 1,4-Dioxane	6.70	88	19529	1032.407	ug/l #	80
51) 4-Methyl-2-Pentanone	8.26	43	509841	263.513	ug/l	98
52) Toluene	7.63	92	365766	48.819	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	197631	50.518	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	243838	49.331	ug/l	95
55) 1,1,2-Trichloroethane	8.50	97	113695	52.148	ug/l	99
56) Ethyl methacrylate	8.63	69	150722	53.732	ug/l	99
57) 1,3-Dichloropropane	8.86	76	202785	53.009	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.63	63	49722	279.586	ug/l	100
59) 2-Hexanone	9.49	43	379386	301.400	ug/l	99
60) Dibromochloromethane	8.73	129	162245	53.210	ug/l	93
61) 1,2-Dibromoethane	8.99	107	118961	51.886	ug/l	99
64) Tetrachloroethene	8.16	164	163389	54.615	ug/l	95
65) Chlorobenzene	9.80	112	379995	48.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	166656	50.525	ug/l	93
67) Ethyl Benzene	9.91	91	726077	51.255	ug/l	98
68) m/p-Xylenes	10.14	106	522822	97.978	ug/l	100
69) o-Xylene	10.72	106	282486	48.481	ug/l	99
70) Styrene	10.80	104	404725	47.945	ug/l	99
71) Bromoform	10.78	173	90351	53.036	ug/l	99
73) Isopropylbenzene	11.13	105	774179	47.550	ug/l	100
74) N-amyl acetate	11.37	43	247701	60.796	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	155319	52.264	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	75304	51.560	ug/l	100
77) Bromobenzene	11.50	156	187138	52.529	ug/l	92
78) n-propylbenzene	11.60	91	950704	49.907	ug/l	98
79) 2-Chlorotoluene	11.72	91	533317	49.023	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	623373	46.450	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	61280m	53.389	ug/l	
82) 4-Chlorotoluene	11.90	91	560105	49.348	ug/l	99
83) tert-Butylbenzene	12.14	119	661144	48.223	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	648671	49.357	ug/l	99
85) sec-Butylbenzene	12.31	105	889770	47.178	ug/l	100
86) p-Isopropyltoluene	12.46	119	745114	47.976	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	341535	48.842	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	337051	50.819	ug/l	97
89) n-Butylbenzene	12.85	91	749920	49.681	ug/l	98
90) Hexachloroethane	12.92	117	190773	48.301	ug/l	74
91) 1,2-Dichlorobenzene	12.95	146	318781	48.729	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.65	75	26006	50.369	ug/l	89

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110218\
Data File : VF060566.D
Acq On : 2 Nov 2018 18:16
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
ICVVF110218

Manual Integrations
APPROVED

MMDadoda
11/5/2018 3:55:40 PM

Quant Time: Nov 03 04:46:46 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	227586	51.209	µg/l	97
94) Hexachlorobutadiene	14.20	225	143902	49.969	µg/l	98
95) Naphthalene	14.46	128	484587	54.477	µg/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	225336	53.673	µg/l	97

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

