

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110218\
 Data File : VF060560.D
 Acq On : 2 Nov 2018 12:59
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 3:55:36 PM

Quant Time: Nov 03 03:56:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 04:25:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	240406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	405766	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	362923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	198920	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	170866	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
35) Dibromofluoromethane	4.11	113	221099	58.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.06%	
50) Toluene-d8	7.56	98	640303	68.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.26%	
62) 4-Bromofluorobenzene	11.42	95	270285	62.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	173183	38.690	ug/l	98
3) Chloromethane	1.10	50	136386	50.555	ug/l	94
4) Vinyl Chloride	1.14	62	126013	45.348	ug/l	92
5) Bromomethane	1.32	94	74688	35.449	ug/l	94
6) Chloroethane	1.37	64	50820	35.890	ug/l	97
7) Trichlorofluoromethane	1.50	101	247614	38.236	ug/l	92
8) Diethyl Ether	1.63	74	43397	51.587	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.82	101	137237	42.575	ug/l	96
10) Methyl Iodide	1.89	142	229243	45.581	ug/l	96
11) Tert butyl alcohol	2.58	59	44936	267.351	ug/l #	89
12) 1,1-Dichloroethene	1.78	96	110464	42.557	ug/l	98
13) Acrolein	2.01	56	28449	197.323	ug/l	89
14) Allyl chloride	2.10	41	205911	49.406	ug/l	98
15) Acrylonitrile	2.95	53	97225	269.282	ug/l	93
16) Acetone	2.25	43	185760	243.497	ug/l	99
17) Carbon Disulfide	1.83	76	323624	44.708	ug/l	98
18) Methyl Acetate	2.35	43	63705	57.396	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	276116	48.477	ug/l	97
20) Methylene Chloride	2.23	84	118701m	43.714	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	122159	45.964	ug/l	94
22) Diisopropyl ether	2.81	45	402545	53.309	ug/l	98
23) Vinyl Acetate	3.19	43	1231939	413.931	ug/l	98
24) 1,1-Dichloroethane	2.88	63	239034	44.235	ug/l	98
25) 2-Butanone	4.34	43	378406	340.267	ug/l	99
26) 2,2-Dichloropropane	3.60	77	174864	52.412	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	243787	72.659	ug/l	98
28) Bromochloromethane	3.72	49	143573	69.997	ug/l	100
29) Tetrahydrofuran	4.08	42	159424	462.312	ug/l	99
30) Chloroform	3.86	83	390752	56.759	ug/l	99
31) Cyclohexane	3.70	56	312283	74.975	ug/l	94
32) 1,1,1-Trichloroethane	4.11	97	290245	52.113	ug/l	97
36) 1,1-Dichloropropene	4.28	75	302801	60.878	ug/l	100
37) Ethyl Acetate	4.11	43	142829	84.088	ug/l	99
38) Carbon Tetrachloride	3.99	117	280017m	49.273	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110218\
 Data File : VF060560.D
 Acq On : 2 Nov 2018 12:59
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 3:55:36 PM

Quant Time: Nov 03 03:56:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 04:25:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	365216	69.984	ug/l	97
40) Benzene	4.63	78	694926	68.356	ug/l	98
41) Methacrylonitrile	4.75	41	78152	80.337	ug/l	93
42) 1,2-Dichloroethane	4.95	62	228448	52.122	ug/l	97
43) Isopropyl Acetate	6.96	43	196887	97.155	ug/l	99
44) Trichloroethene	5.51	130	222672	68.144	ug/l	99
45) 1,2-Dichloropropane	6.24	63	195048	76.800	ug/l	98
46) Dibromomethane	6.09	93	121480	63.402	ug/l	93
47) Bromodichloromethane	6.39	83	294222	60.606	ug/l	97
48) Methyl methacrylate	6.72	41	118980	86.871	ug/l	97
49) 1,4-Dioxane	6.70	88	26897	2012.803	ug/l #	81
51) 4-Methyl-2-Pentanone	8.26	43	607681	416.011	ug/l	97
52) Toluene	7.63	92	472241	72.383	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	239756	62.750	ug/l	98
54) cis-1,3-Dichloropropene	7.31	75	330637	71.415	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	142631	74.567	ug/l	96
56) Ethyl methacrylate	8.62	69	183745	84.843	ug/l	96
57) 1,3-Dichloropropane	8.85	76	250677	77.373	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.63	63	60595	278.432	ug/l	100
59) 2-Hexanone	9.50	43	448748	424.136	ug/l	99
60) Dibromochloromethane	8.72	129	194901	64.050	ug/l	100
61) 1,2-Dibromoethane	8.99	107	153488	69.618	ug/l	97
64) Tetrachloroethene	8.15	164	172149	57.002	ug/l	96
65) Chlorobenzene	9.80	112	506183	69.747	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	198685	60.248	ug/l	98
67) Ethyl Benzene	9.90	91	874206	63.280	ug/l	99
68) m/p-Xylenes	10.14	106	649242	136.031	ug/l	96
69) o-Xylene	10.72	106	359563	67.174	ug/l	96
70) Styrene	10.80	104	517698	68.334	ug/l	99
71) Bromoform	10.78	173	109210	65.033	ug/l	99
73) Isopropylbenzene	11.13	105	1018529	66.199	ug/l	99
74) N-amyl acetate	11.37	43	281717	87.405	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	188435	73.182	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	92605	52.386	ug/l	100
77) Bromobenzene	11.50	156	231198	68.664	ug/l	94
78) n-propylbenzene	11.60	91	1139343	62.840	ug/l	97
79) 2-Chlorotoluene	11.72	91	671865	62.235	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	809387	61.668	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	73663m	85.349	ug/l	
82) 4-Chlorotoluene	11.90	91	698748	62.689	ug/l	97
83) tert-Butylbenzene	12.14	119	834393	64.700	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	784218	58.816	ug/l	98
85) sec-Butylbenzene	12.31	105	1132450	62.645	ug/l	99
86) p-Isopropyltoluene	12.46	119	924143	62.341	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	418589	62.199	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	424510	66.747	ug/l	97
89) n-Butylbenzene	12.85	91	934842	60.151	ug/l	99
90) Hexachloroethane	12.92	117	242672	63.516	ug/l	80
91) 1,2-Dichlorobenzene	12.95	146	395512	62.659	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	33790	64.814	ug/l	91

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110218\
Data File : VF060560.D
Acq On : 2 Nov 2018 12:59
Operator : VA/AP
Sample : VSTDICC075
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC075

Manual Integrations
APPROVED

MMDadoda
11/5/2018 3:55:36 PM

Quant Time: Nov 03 03:56:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 04:25:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	269512	57.701	ug/l	97
94) Hexachlorobutadiene	14.19	225	178865	54.715	ug/l	96
95) Naphthalene	14.46	128	570035	68.616	ug/l	97
96) 1,2,3-Trichlorobenzene	14.61	180	260472	58.747	ug/l	97

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

