

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059512.D
 Acq On : 17 Jul 2018 17:34
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:16:04 PM

Quant Time: Jul 18 02:20:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	274671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	397936	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	385748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	224711	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	88981	21.46	ug/l	0.00
Spiked Amount			Recovery	=	42.92%	
35) Dibromofluoromethane	4.31	113	68869	19.93	ug/l	0.00
Spiked Amount			Recovery	=	39.86%	
50) Toluene-d8	7.72	98	178905	20.93	ug/l	0.00
Spiked Amount			Recovery	=	41.86%	
62) 4-Bromofluorobenzene	11.52	95	96384	21.22	ug/l	0.00
Spiked Amount			Recovery	=	42.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	69844	22.34	ug/l	92
3) Chloromethane	1.09	50	34247	19.43	ug/l #	84
4) Vinyl Chloride	1.15	62	37138	20.23	ug/l	98
5) Bromomethane	1.34	94	27670	21.64	ug/l	96
6) Chloroethane	1.43	64	20155	20.98	ug/l	91
7) Trichlorofluoromethane	1.51	101	95751	22.73	ug/l	96
8) Diethyl Ether	1.71	74	20054	23.76	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.91	101	37404	18.69	ug/l	92
10) Methyl Iodide	1.97	142	68414	20.28	ug/l	95
11) Tert butyl alcohol	2.69	59	19028	98.95	ug/l #	91
12) 1,1-Dichloroethene	1.87	96	41754	21.60	ug/l	97
13) Acrolein	2.09	56	11500	107.05	ug/l #	81
14) Allyl chloride	2.19	41	51024	20.13	ug/l	98
15) Acrylonitrile	3.09	53	37233	104.93	ug/l	99
16) Acetone	2.34	43	69274	98.37	ug/l	95
17) Carbon Disulfide	1.88	76	114564	21.83	ug/l	97
18) Methyl Acetate	2.46	43	25303m	17.50	ug/l	
19) Methyl tert-butyl Ether	2.55	73	129028	20.41	ug/l	100
20) Methylene Chloride	2.32	84	47148	18.70	ug/l #	78
21) trans-1,2-Dichloroethene	2.42	96	39427	22.39	ug/l	97
22) Diisopropyl ether	2.93	45	149771	20.61	ug/l	96
23) Vinyl Acetate	3.34	43	444208	105.18	ug/l	100
24) 1,1-Dichloroethane	3.01	63	90296	21.89	ug/l	98
25) 2-Butanone	4.54	43	99190	96.90	ug/l	96
26) 2,2-Dichloropropane	3.78	77	58249	21.04	ug/l	92
27) cis-1,2-Dichloroethene	3.64	96	44282	18.40	ug/l	92
28) Bromochloromethane	3.90	49	39196	20.49	ug/l	93
29) Tetrahydrofuran	4.27	42	46398	105.53	ug/l	96
30) Chloroform	4.04	83	135090	21.80	ug/l	97
31) Cyclohexane	3.87	56	51048	21.91	ug/l #	91
32) 1,1,1-Trichloroethane	4.28	97	89817	20.89	ug/l	98
36) 1,1-Dichloropropene	4.47	75	87044	21.48	ug/l	98
37) Ethyl Acetate	4.31	43	51874	20.91	ug/l #	75
38) Carbon Tetrachloride	4.18	117	98166	20.89	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059512.D
 Acq On : 17 Jul 2018 17:34
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:16:04 PM

Quant Time: Jul 18 02:20:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	68703	22.51	ug/l	94
40) Benzene	4.82	78	166875	21.19	ug/l	100
41) Methacrylonitrile	4.93	41	22325	18.67	ug/l #	87
42) 1,2-Dichloroethane	5.13	62	109559	21.74	ug/l	98
43) Isopropyl Acetate	7.13	43	58075	19.55	ug/l	98
44) Trichloroethene	5.68	130	62231	21.92	ug/l	93
45) 1,2-Dichloropropane	6.42	63	47776	21.39	ug/l	99
46) Dibromomethane	6.26	93	40202	20.15	ug/l	96
47) Bromodichloromethane	6.56	83	106744	20.94	ug/l	96
48) Methyl methacrylate	6.89	41	37835	17.67	ug/l	94
49) 1,4-Dioxane	6.88	88	4362	450.50	ug/l	86
51) 4-Methyl-2-Pentanone	8.42	43	210460	101.00	ug/l	99
52) Toluene	7.79	92	120626	21.30	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	98819	21.93	ug/l	96
54) cis-1,3-Dichloropropene	7.48	75	98454	21.06	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	47006	20.84	ug/l	95
56) Ethyl methacrylate	8.78	69	54665	19.25	ug/l	98
57) 1,3-Dichloropropane	9.01	76	81761	21.31	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.79	63	25184	106.18	ug/l	100
59) 2-Hexanone	9.64	43	156585	95.77	ug/l	98
60) Dibromochloromethane	8.87	129	76408	20.88	ug/l	99
61) 1,2-Dibromoethane	9.15	107	56999	20.88	ug/l	98
64) Tetrachloroethene	8.31	164	64868	21.33	ug/l	97
65) Chlorobenzene	9.96	112	157303	21.68	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	70729	21.53	ug/l	88
67) Ethyl Benzene	10.05	91	289452	22.36	ug/l	96
68) m/p-Xylenes	10.28	106	203920	43.98	ug/l	97
69) o-Xylene	10.84	106	106850	22.18	ug/l	97
70) Styrene	10.92	104	157141	20.61	ug/l	96
71) Bromoform	10.90	173	45980	19.20	ug/l	90
73) Isopropylbenzene	11.24	105	315177	21.99	ug/l	100
74) N-amyl acetate	11.48	43	93690	18.42	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	61014	19.41	ug/l	88
76) 1,2,3-Trichloropropane	11.89	75	53886	20.79	ug/l	92
77) Bromobenzene	11.61	156	87218	21.59	ug/l	96
78) n-propylbenzene	11.69	91	360454	21.72	ug/l	98
79) 2-Chlorotoluene	11.82	91	220298	21.96	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	267567	21.71	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.97	75	21028m	17.11	ug/l	
82) 4-Chlorotoluene	12.00	91	249090	21.43	ug/l	94
83) tert-Butylbenzene	12.23	119	250315	21.70	ug/l	94
84) 1,2,4-Trimethylbenzene	12.30	105	267640	21.74	ug/l	96
85) sec-Butylbenzene	12.39	105	306884	21.06	ug/l	97
86) p-Isopropyltoluene	12.54	119	286199	22.21	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	145882	21.09	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	143120	21.38	ug/l	96
89) n-Butylbenzene	12.93	91	260418	22.01	ug/l	96
90) Hexachloroethane	13.01	117	63322	21.82	ug/l	91
91) 1,2-Dichlorobenzene	13.02	146	142593	22.11	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15095	21.63	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
Data File : VF059512.D
Acq On : 17 Jul 2018 17:34
Operator : VA/AP
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:04 PM

Quant Time: Jul 18 02:20:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 01:41:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	85270	21.15	ug/l	96
94) Hexachlorobutadiene	14.27	225	38887	21.79	ug/l	97
95) Naphthalene	14.53	128	162605	18.95	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	70626	20.08	ug/l	94

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

