

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059865.D
 Acq On : 4 Aug 2018 4:44
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:26:00 AM

Quant Time: Aug 04 05:44:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 05:27:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	185462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	257389	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	251663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	174592	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	172824	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
35) Dibromofluoromethane	4.29	113	132712	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	7.71	98	289428	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
62) 4-Bromofluorobenzene	11.51	95	163283	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	161111	59.48	ug/l	100
3) Chloromethane	1.09	50	67675	51.23	ug/l	100
4) Vinyl Chloride	1.16	62	72437	53.30	ug/l	100
5) Bromomethane	1.35	94	65397	58.13	ug/l	100
6) Chloroethane	1.43	64	46117	53.96	ug/l	100
7) Trichlorofluoromethane	1.54	101	211687m	58.49	ug/l	
8) Diethyl Ether	1.70	74	30392	50.33	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	106779	56.39	ug/l	100
10) Methyl Iodide	1.97	142	167903m	55.83	ug/l	
11) Tert butyl alcohol	2.69	59	31905	215.26	ug/l	100
12) 1,1-Dichloroethene	1.86	96	79958	53.11	ug/l	100
13) Acrolein	2.09	56	19333	300.44	ug/l	100
14) Allyl chloride	2.18	41	132940	55.08	ug/l	100
15) Acrylonitrile	3.08	53	63179	257.47	ug/l	100
16) Acetone	2.34	43	148535	244.36	ug/l	100
17) Carbon Disulfide	1.90	76	211717m	56.49	ug/l	
18) Methyl Acetate	2.45	43	46681	41.12	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	224236	50.20	ug/l	100
20) Methylene Chloride	2.28	84	82019m	47.13	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	78207	51.86	ug/l	100
22) Diisopropyl ether	2.92	45	261917	52.31	ug/l	100
23) Vinyl Acetate	3.34	43	662473	260.54	ug/l	100
24) 1,1-Dichloroethane	3.00	63	188260	53.64	ug/l	100
25) 2-Butanone	4.51	43	163936	250.36	ug/l	100
26) 2,2-Dichloropropane	3.77	77	113439	46.95	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	94492	51.10	ug/l	100
28) Bromochloromethane	3.89	49	65624	48.18	ug/l	100
29) Tetrahydrofuran	4.25	42	58436	225.97	ug/l	100
30) Chloroform	4.04	83	256504	52.40	ug/l	100
31) Cyclohexane	3.86	56	97889	51.44	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	207446	54.05	ug/l	100
36) 1,1-Dichloropropene	4.46	75	159095	51.95	ug/l	100
37) Ethyl Acetate	4.28	43	68279	45.81	ug/l	100
38) Carbon Tetrachloride	4.18	117	215178m	51.24	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059865.D
 Acq On : 4 Aug 2018 4:44
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:26:00 AM

Quant Time: Aug 04 05:44:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 05:27:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	121891	52.75	ug/l	100
40) Benzene	4.82	78	260496	49.02	ug/l	100
41) Methacrylonitrile	4.93	41	35459	48.42	ug/l	100
42) 1,2-Dichloroethane	5.12	62	215555	56.80	ug/l	100
43) Isopropyl Acetate	7.11	43	65171	42.67	ug/l	100
44) Trichloroethene	5.67	130	105990	51.44	ug/l	100
45) 1,2-Dichloropropane	6.40	63	72333	51.81	ug/l	100
46) Dibromomethane	6.26	93	69398	52.20	ug/l	100
47) Bromodichloromethane	6.55	83	196787	53.99	ug/l	100
48) Methyl methacrylate	6.88	41	54296	46.96	ug/l	100
49) 1,4-Dioxane	6.87	88	6797	762.62	ug/l	100
51) 4-Methyl-2-Pentanone	8.40	43	348305	286.76	ug/l	100
52) Toluene	7.78	92	196115	49.72	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	145698	47.03	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	158792	52.35	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	68024	48.14	ug/l	100
56) Ethyl methacrylate	8.76	69	72724	49.75	ug/l	100
57) 1,3-Dichloropropane	9.01	76	122478	49.98	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	49876	280.40	ug/l	100
59) 2-Hexanone	9.64	43	251146	261.79	ug/l	100
60) Dibromochloromethane	8.87	129	136068	53.54	ug/l	100
61) 1,2-Dibromoethane	9.14	107	86411	51.52	ug/l	100
64) Tetrachloroethene	8.31	164	114021	55.56	ug/l	100
65) Chlorobenzene	9.94	112	261528	50.70	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	130458	53.91	ug/l	100
67) Ethyl Benzene	10.04	91	476976	53.28	ug/l	100
68) m/p-Xylenes	10.27	106	317368	101.15	ug/l	100
69) o-Xylene	10.83	106	184177	55.50	ug/l	100
70) Styrene	10.91	104	258043	51.91	ug/l	100
71) Bromoform	10.89	173	80599	51.86	ug/l	100
73) Isopropylbenzene	11.23	105	592634	50.70	ug/l	100
74) N-amyl acetate	11.47	43	126308	43.80	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	100326	46.37	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	86243	46.50	ug/l	100
77) Bromobenzene	11.60	156	146964	48.31	ug/l	100
78) n-propylbenzene	11.69	91	676846	49.65	ug/l	100
79) 2-Chlorotoluene	11.82	91	423238	49.95	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	533419	50.66	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	30427m	40.76	ug/l	
82) 4-Chlorotoluene	11.99	91	432207	47.80	ug/l	100
83) tert-Butylbenzene	12.22	119	521838	49.94	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	536630	50.77	ug/l	100
85) sec-Butylbenzene	12.39	105	682926	50.76	ug/l	100
86) p-Isopropyltoluene	12.54	119	608686	51.29	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	276309	47.62	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	278184	49.02	ug/l	100
89) n-Butylbenzene	12.92	91	553630	49.61	ug/l	100
90) Hexachloroethane	13.00	117	157647	52.92	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	273082	48.67	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	28273	52.56	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
Data File : VF059865.D
Acq On : 4 Aug 2018 4:44
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

apatel
8/6/2018 10:26:00 AM

Quant Time: Aug 04 05:44:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 04 05:27:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	215825	49.50	ug/l	100
94) Hexachlorobutadiene	14.26	225	149904	51.30	ug/l	100
95) Naphthalene	14.53	128	382084	50.09	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	217368	51.33	ug/l	100

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

