

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059980.D
 Acq On : 17 Aug 2018 18:32
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 8/20/2018 11:48:18 AM

Quant Time: Aug 18 00:01:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 23:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	132962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	182565	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	195911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	131207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	120944	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
35) Dibromofluoromethane	4.31	113	92536	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	7.72	98	206344	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.52	95	128842	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	106263	47.19	ug/l	100
3) Chloromethane	1.07	50	47058	40.58	ug/l	100
4) Vinyl Chloride	1.12	62	59466	44.68	ug/l	100
5) Bromomethane	1.32	94	55917	42.94	ug/l	100
6) Chloroethane	1.39	64	32515	46.75	ug/l	100
7) Trichlorofluoromethane	1.49	101	185159	51.46	ug/l	100
8) Diethyl Ether	1.70	74	26797	46.61	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.86	101	85734	47.47	ug/l	100
10) Methyl Iodide	1.93	142	112976	49.09	ug/l	100
11) Tert butyl alcohol	2.69	59	34750	217.85	ug/l	100
12) 1,1-Dichloroethene	1.83	96	57724	46.16	ug/l	100
13) Acrolein	2.09	56	26189	310.79	ug/l	100
14) Allyl chloride	2.19	41	99612	46.93	ug/l	100
15) Acrylonitrile	3.08	53	62700	236.60	ug/l	100
16) Acetone	2.34	43	168025	201.74	ug/l	100
17) Carbon Disulfide	1.84	76	172539	43.33	ug/l	100
18) Methyl Acetate	2.45	43	62306	37.67	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	198571	47.01	ug/l	100
20) Methylene Chloride	2.28	84	69113	39.36	ug/l	100
21) trans-1,2-Dichloroethene	2.41	96	59953	44.97	ug/l	100
22) Diisopropyl ether	2.93	45	222276	48.50	ug/l	100
23) Vinyl Acetate	3.34	43	487847	259.86	ug/l	100
24) 1,1-Dichloroethane	3.00	63	150837	50.01	ug/l	100
25) 2-Butanone	4.51	43	139954	214.80	ug/l	100
26) 2,2-Dichloropropane	3.76	77	134614	51.14	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	60507	49.76	ug/l	100
28) Bromochloromethane	3.90	49	37693	43.81	ug/l	100
29) Tetrahydrofuran	4.27	42	51433	221.03	ug/l	100
30) Chloroform	4.05	83	163967	47.69	ug/l	100
31) Cyclohexane	3.86	56	62053	45.79	ug/l	100
32) 1,1,1-Trichloroethane	4.29	97	165633	49.46	ug/l	100
36) 1,1-Dichloropropene	4.46	75	93585	45.43	ug/l	100
37) Ethyl Acetate	4.30	43	59032	48.59	ug/l	100
38) Carbon Tetrachloride	4.18	117	145114	49.03	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	74443	47.71	ug/l	100
40) Benzene	4.82	78	178463	50.92	ug/l	100
41) Methacrylonitrile	4.93	41	27016	46.93	ug/l	100
42) 1,2-Dichloroethane	5.12	62	146005	48.09	ug/l	100
43) Isopropyl Acetate	7.12	43	63867	48.24	ug/l	100
44) Trichloroethene	5.68	130	67608	49.40	ug/l	100
45) 1,2-Dichloropropane	6.41	63	51264	51.28	ug/l	100
46) Dibromomethane	6.27	93	47657	47.00	ug/l	100
47) Bromodichloromethane	6.55	83	134769	50.33	ug/l	100
48) Methyl methacrylate	6.88	41	48590	49.23	ug/l	100
49) 1,4-Dioxane	6.88	88	8053	1019.25	ug/l	100
51) 4-Methyl-2-Pentanone	8.42	43	287630	232.62	ug/l	100
52) Toluene	7.79	92	127944	48.47	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	112709	49.57	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	113322	51.71	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	53103	49.06	ug/l	100
56) Ethyl methacrylate	8.77	69	64199	50.91	ug/l	100
57) 1,3-Dichloropropane	9.01	76	93820	48.80	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.79	63	31315	302.06	ug/l	100
59) 2-Hexanone	9.64	43	231632	225.47	ug/l	100
60) Dibromochloromethane	8.87	129	99455	50.76	ug/l	100
61) 1,2-Dibromoethane	9.15	107	66905	49.00	ug/l	100
64) Tetrachloroethene	8.32	164	66789	45.42	ug/l	100
65) Chlorobenzene	9.95	112	181075	47.37	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	83628	47.60	ug/l	100
67) Ethyl Benzene	10.05	91	323798	47.19	ug/l	100
68) m/p-Xylenes	10.28	106	213080	89.23	ug/l	100
69) o-Xylene	10.84	106	122289	49.79	ug/l	100
70) Styrene	10.91	104	183661	46.96	ug/l	100
71) Bromoform	10.90	173	60685	45.88	ug/l	100
73) Isopropylbenzene	11.24	105	382334	48.73	ug/l	100
74) N-amyl acetate	11.47	43	116184	50.07	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.80	83	75207	46.99	ug/l	100
76) 1,2,3-Trichloropropane	11.90	75	66145	46.23	ug/l	100
77) Bromobenzene	11.60	156	106645	48.17	ug/l	100
78) n-propylbenzene	11.70	91	461311	47.35	ug/l	100
79) 2-Chlorotoluene	11.82	91	291314	48.82	ug/l	100
80) 1,3,5-Trimethylbenzene	11.93	105	348914	49.12	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	28422m	38.53	ug/l	
82) 4-Chlorotoluene	11.99	91	314887	48.46	ug/l	100
83) tert-Butylbenzene	12.22	119	347351	49.48	ug/l	100
84) 1,2,4-Trimethylbenzene	12.30	105	365949	49.06	ug/l	100
85) sec-Butylbenzene	12.40	105	450371	49.03	ug/l	100
86) p-Isopropyltoluene	12.55	119	383335	47.21	ug/l	100
87) 1,3-Dichlorobenzene	12.57	146	194794	46.55	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	197694	48.25	ug/l	100
89) n-Butylbenzene	12.93	91	388896	49.54	ug/l	100
90) Hexachloroethane	13.00	117	92653	50.71	ug/l	100
91) 1,2-Dichlorobenzene	13.03	146	195587	48.57	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	21978	48.71	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	161512	49.43	ug/l	100
94) Hexachlorobutadiene	14.26	225	108977	50.51	ug/l	100
95) Naphthalene	14.53	128	233744	49.19	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	159823	50.63	ug/l	100

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

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