

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059955.D
 Acq On : 14 Aug 2018 20:05
 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
 8/16/2018 12:15:06 PM

Quant Time: Aug 15 09:09:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:56:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	117656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	161735	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	164680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	107600	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	110833	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
35) Dibromofluoromethane	4.31	113	79786	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	7.73	98	183796	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
62) 4-Bromofluorobenzene	11.52	95	104378	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	87721	44.71	ug/l	100
3) Chloromethane	1.09	50	36671	40.34	ug/l	100
4) Vinyl Chloride	1.16	62	43149	45.74	ug/l	100
5) Bromomethane	1.35	94	36908	41.76	ug/l	100
6) Chloroethane	1.44	64	27071	45.80	ug/l	100
7) Trichlorofluoromethane	1.54	101	130264	49.98	ug/l	100
8) Diethyl Ether	1.70	74	17318	42.53	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	61823	43.57	ug/l	100
10) Methyl Iodide	1.98	142	94863	43.69	ug/l	100
11) Tert butyl alcohol	2.69	59	22020	253.85	ug/l	100
12) 1,1-Dichloroethene	1.87	96	47299	45.50	ug/l	100
13) Acrolein	2.10	56	12679	245.95	ug/l	100
14) Allyl chloride	2.20	41	59249	35.51	ug/l	100
15) Acrylonitrile	3.08	53	32039	211.45	ug/l	100
16) Acetone	2.34	43	96946	246.44	ug/l	100
17) Carbon Disulfide	1.90	76	111768	40.89	ug/l	100
18) Methyl Acetate	2.46	43	25654	39.63	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	133076	45.19	ug/l	100
20) Methylene Chloride	2.28	84	42863m	48.54	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	44686	43.49	ug/l	100
22) Diisopropyl ether	2.94	45	153912	46.22	ug/l	100
23) Vinyl Acetate	3.35	43	404240	249.35	ug/l	100
24) 1,1-Dichloroethane	3.01	63	108605	44.90	ug/l	100
25) 2-Butanone	4.52	43	98570	233.49	ug/l	100
26) 2,2-Dichloropropane	3.77	77	73877	51.42	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	50997	44.58	ug/l	100
28) Bromochloromethane	3.90	49	41704	48.10	ug/l	100
29) Tetrahydrofuran	4.27	42	35037	225.47	ug/l	100
30) Chloroform	4.05	83	149081	45.51	ug/l	100
31) Cyclohexane	3.87	56	55842	46.76	ug/l	100
32) 1,1,1-Trichloroethane	4.30	97	122045	46.52	ug/l	100
36) 1,1-Dichloropropene	4.47	75	89528	48.76	ug/l	100
37) Ethyl Acetate	4.31	43	38247	48.55	ug/l	100
38) Carbon Tetrachloride	4.19	117	153283	55.98	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	66562	48.60	ug/l	100
40) Benzene	4.83	78	154610	48.62	ug/l	100
41) Methacrylonitrile	4.94	41	18798	45.59	ug/l	100
42) 1,2-Dichloroethane	5.13	62	126471	49.39	ug/l	100
43) Isopropyl Acetate	7.12	43	41716	50.28	ug/l	100
44) Trichloroethene	5.70	130	59233	48.50	ug/l	100
45) 1,2-Dichloropropane	6.42	63	40999	48.60	ug/l	100
46) Dibromomethane	6.27	93	40350	47.17	ug/l	100
47) Bromodichloromethane	6.56	83	115844	49.44	ug/l	100
48) Methyl methacrylate	6.89	41	33175	51.81	ug/l	100
49) 1,4-Dioxane	6.89	88	5295	1099.71	ug/l	100
51) 4-Methyl-2-Pentanone	8.42	43	214276	254.30	ug/l	100
52) Toluene	7.80	92	113973	48.87	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	95155	52.45	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	98014	52.86	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	39209	46.75	ug/l	100
56) Ethyl methacrylate	8.78	69	43904	47.57	ug/l	100
57) 1,3-Dichloropropane	9.02	76	75632	51.94	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.80	63	28972	261.13	ug/l	100
59) 2-Hexanone	9.65	43	159179	265.84	ug/l	100
60) Dibromochloromethane	8.88	129	81144	51.32	ug/l	100
61) 1,2-Dibromoethane	9.16	107	49884	48.83	ug/l	100
64) Tetrachloroethene	8.33	164	61207	44.48	ug/l	100
65) Chlorobenzene	9.96	112	157858	47.86	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.09	131	75430	46.29	ug/l	100
67) Ethyl Benzene	10.05	91	277886	48.67	ug/l	100
68) m/p-Xylenes	10.29	106	184640	93.51	ug/l	100
69) o-Xylene	10.84	106	102328	49.39	ug/l	100
70) Styrene	10.92	104	152356	48.72	ug/l	100
71) Bromoform	10.90	173	48593	48.34	ug/l	100
73) Isopropylbenzene	11.25	105	352251	52.90	ug/l	100
74) N-amyl acetate	11.47	43	77557	46.98	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.80	83	56641	45.64	ug/l	100
76) 1,2,3-Trichloropropane	11.90	75	50565	47.19	ug/l	100
77) Bromobenzene	11.61	156	88526	48.75	ug/l	100
78) n-propylbenzene	11.70	91	406109	51.55	ug/l	100
79) 2-Chlorotoluene	11.83	91	246505	49.71	ug/l	100
80) 1,3,5-Trimethylbenzene	11.93	105	315567	51.07	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	18953m	44.51	ug/l	
82) 4-Chlorotoluene	12.00	91	270485	49.64	ug/l	100
83) tert-Butylbenzene	12.23	119	320298	52.91	ug/l	100
84) 1,2,4-Trimethylbenzene	12.30	105	332322	51.88	ug/l	100
85) sec-Butylbenzene	12.40	105	414209	51.60	ug/l	100
86) p-Isopropyltoluene	12.55	119	363125	53.99	ug/l	100
87) 1,3-Dichlorobenzene	12.57	146	165583	48.17	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	169970	50.23	ug/l	100
89) n-Butylbenzene	12.93	91	353160	54.44	ug/l	100
90) Hexachloroethane	13.01	117	87167	47.54	ug/l	100
91) 1,2-Dichlorobenzene	13.03	146	160243	48.61	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.73	75	16221	51.79	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	136951	54.00	ug/l	100
94) Hexachlorobutadiene	14.27	225	96180	53.58	ug/l	100
95) Naphthalene	14.54	128	226816	52.27	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	130637	52.66	ug/l	100

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

