

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059613.D
 Acq On : 23 Jul 2018 14:19
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 7/24/2018 1:13:36 PM

Quant Time: Jul 24 04:16:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 14:43:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	218947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	304042	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	317262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	205068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	181313	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
35) Dibromofluoromethane	4.29	113	146787	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	
50) Toluene-d8	7.71	98	365656	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	
62) 4-Bromofluorobenzene	11.51	95	205908	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	132023	48.34	ug/l	100
3) Chloromethane	1.08	50	54804	37.66	ug/l	100
4) Vinyl Chloride	1.15	62	67077	45.05	ug/l	100
5) Bromomethane	1.34	94	57987	53.79	ug/l	100
6) Chloroethane	1.42	64	40992	52.87	ug/l	100
7) Trichlorofluoromethane	1.49	101	199084m	57.89	ug/l	
8) Diethyl Ether	1.69	74	28442	41.73	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	89879	55.41	ug/l	100
10) Methyl Iodide	1.96	142	155086	55.17	ug/l	100
11) Tert butyl alcohol	2.67	59	32969	216.46	ug/l	100
12) 1,1-Dichloroethene	1.85	96	71853	43.60	ug/l	100
13) Acrolein	2.09	56	20819	253.72	ug/l	100
14) Allyl chloride	2.19	41	129398	59.57	ug/l	100
15) Acrylonitrile	3.06	53	52169	191.21	ug/l	100
16) Acetone	2.33	43	140010	247.97	ug/l	100
17) Carbon Disulfide	1.87	76	178734m	47.53	ug/l	
18) Methyl Acetate	2.44	43	42097	37.14	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	207635	41.89	ug/l	100
20) Methylene Chloride	2.27	84	67886	36.11	ug/l	100
21) trans-1,2-Dichloroethene	2.40	96	72059	47.32	ug/l	100
22) Diisopropyl ether	2.92	45	250983	44.65	ug/l	100
23) Vinyl Acetate	3.32	43	648312	200.47	ug/l	100
24) 1,1-Dichloroethane	2.99	63	172056	48.32	ug/l	100
25) 2-Butanone	4.50	43	147963	196.07	ug/l	100
26) 2,2-Dichloropropane	3.75	77	151147	61.22	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	88828	50.35	ug/l	100
28) Bromochloromethane	3.88	49	64279	42.83	ug/l	100
29) Tetrahydrofuran	4.25	42	58796	172.80	ug/l	100
30) Chloroform	4.03	83	243670	47.74	ug/l	100
31) Cyclohexane	3.85	56	95559	50.75	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	217801	61.83	ug/l	100
36) 1,1-Dichloropropene	4.45	75	146765	48.09	ug/l	100
37) Ethyl Acetate	4.29	43	63251	35.99	ug/l	100
38) Carbon Tetrachloride	4.16	117	232342m	61.18	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	118065	50.17	ug/l	100
40) Benzene	4.81	78	265301	45.32	ug/l	100
41) Methacrylonitrile	4.90	41	39455	45.66	ug/l	100
42) 1,2-Dichloroethane	5.11	62	185792	48.02	ug/l	100
43) Isopropyl Acetate	7.10	43	82986	39.42	ug/l	100
44) Trichloroethene	5.67	130	106817	48.56	ug/l	100
45) 1,2-Dichloropropane	6.39	63	75016	46.31	ug/l	100
46) Dibromomethane	6.25	93	67313	45.71	ug/l	100
47) Bromodichloromethane	6.54	83	198581	51.33	ug/l	100
48) Methyl methacrylate	6.87	41	59078	39.46	ug/l	100
49) 1,4-Dioxane	6.86	88	7375	1068.68	ug/l	100
51) 4-Methyl-2-Pentanone	8.41	43	280776	190.31	ug/l	100
52) Toluene	7.77	92	199764	46.59	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	163959	46.82	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	166569	47.79	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	74674	45.85	ug/l	100
56) Ethyl methacrylate	8.75	69	84258	42.34	ug/l	100
57) 1,3-Dichloropropane	9.00	76	126138	43.70	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	45732	249.63	ug/l	100
59) 2-Hexanone	9.63	43	239599	212.72	ug/l	100
60) Dibromochloromethane	8.86	129	137203	49.32	ug/l	100
61) 1,2-Dibromoethane	9.14	107	89254	44.03	ug/l	100
64) Tetrachloroethene	8.30	164	107724	45.62	ug/l	100
65) Chlorobenzene	9.93	112	284097	47.55	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	130383	47.89	ug/l	100
67) Ethyl Benzene	10.03	91	489551	46.13	ug/l	100
68) m/p-Xylenes	10.27	106	334896	89.88	ug/l	100
69) o-Xylene	10.82	106	190656	47.62	ug/l	100
70) Styrene	10.90	104	288718	46.98	ug/l	100
71) Bromoform	10.89	173	82259	44.59	ug/l	100
73) Isopropylbenzene	11.23	105	604224	46.81	ug/l	100
74) N-amyl acetate	11.46	43	147005	37.11	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	106923	39.29	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	85972	38.59	ug/l	100
77) Bromobenzene	11.59	156	158046	44.16	ug/l	100
78) n-propylbenzene	11.69	91	711377	47.69	ug/l	100
79) 2-Chlorotoluene	11.81	91	427101	46.64	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	532191	48.74	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	37437m	35.21	ug/l	
82) 4-Chlorotoluene	11.98	91	462484	45.45	ug/l	100
83) tert-Butylbenzene	12.21	119	528344	50.32	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	552654	49.11	ug/l	100
85) sec-Butylbenzene	12.39	105	680738	50.78	ug/l	100
86) p-Isopropyltoluene	12.54	119	613747	52.25	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	289566	46.60	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	290636	47.24	ug/l	100
89) n-Butylbenzene	12.92	91	589005	53.44	ug/l	100
90) Hexachloroethane	12.99	117	152551	55.86	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	268519	45.33	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	25006	40.39	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	213342	56.84	ug/l	100
94) Hexachlorobutadiene	14.25	225	147532	71.54	ug/l	100
95) Naphthalene	14.52	128	364596	48.59	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	198763	57.97	ug/l	100

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

