

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070718\
 Data File : VF059475.D
 Acq On : 7 Jul 2018 4:22
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 7/9/2018 9:34:45 AM

Quant Time: Jul 07 06:29:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:43:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	236649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	362690	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	377885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	230621	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	419374	127.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	255.74%	
35) Dibromofluoromethane	4.26	113	336971	120.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	240.98%	
50) Toluene-d8	7.68	98	841646	122.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	244.82%	
62) 4-Bromofluorobenzene	11.48	95	434960	111.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	223.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	337538	141.67	ug/l	96
3) Chloromethane	1.08	50	171698	114.82	ug/l	100
4) Vinyl Chloride	1.14	62	188378	127.77	ug/l	100
5) Bromomethane	1.33	94	137136	136.09	ug/l	94
6) Chloroethane	1.42	64	99836	133.53	ug/l	98
7) Trichlorofluoromethane	1.53	101	384645m	126.91	ug/l	
8) Diethyl Ether	1.68	74	81855	110.20	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.88	101	193718	112.04	ug/l	96
10) Methyl Iodide	1.95	142	384482	122.84	ug/l	92
11) Tert butyl alcohol	2.67	59	89261	438.38	ug/l #	94
12) 1,1-Dichloroethene	1.84	96	184125	125.37	ug/l	82
13) Acrolein	2.07	56	68551	566.94	ug/l	98
14) Allyl chloride	2.17	41	323894	121.05	ug/l	84
15) Acrylonitrile	3.05	53	175969	494.51	ug/l	98
16) Acetone	2.32	43	284893	353.18	ug/l	98
17) Carbon Disulfide	1.85	76	495828	141.65	ug/l	98
18) Methyl Acetate	2.43	43	144453	90.51	ug/l	95
19) Methyl tert-butyl Ether	2.51	73	597228	111.97	ug/l	97
20) Methylene Chloride	2.29	84	179303m	77.28	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	194610	124.84	ug/l	95
22) Diisopropyl ether	2.91	45	680161	115.94	ug/l	98
23) Vinyl Acetate	3.30	43	1854909	500.56	ug/l	100
24) 1,1-Dichloroethane	2.98	63	427458	115.06	ug/l	100
25) 2-Butanone	4.47	43	432548	444.98	ug/l	98
26) 2,2-Dichloropropane	3.72	77	237049	95.28	ug/l	99
27) cis-1,2-Dichloroethene	3.60	96	248663	108.79	ug/l	99
28) Bromochloromethane	3.85	49	178348	110.76	ug/l	98
29) Tetrahydrofuran	4.22	42	194374	453.41	ug/l	99
30) Chloroform	4.00	83	608667	113.22	ug/l	95
31) Cyclohexane	3.83	56	245197	102.11	ug/l	95
32) 1,1,1-Trichloroethane	4.24	97	462598	116.87	ug/l	96
36) 1,1-Dichloropropene	4.42	75	386252	116.67	ug/l	97
37) Ethyl Acetate	4.26	43	205681	91.79	ug/l	88
38) Carbon Tetrachloride	4.13	117	507087m	119.01	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	321424	109.44	ug/l	92
40) Benzene	4.77	78	759099	106.56	ug/l	100
41) Methacrylonitrile	4.89	41	101288	93.56	ug/l	94
42) 1,2-Dichloroethane	5.08	62	500991	115.52	ug/l	98
43) Isopropyl Acetate	7.08	43	258269	98.25	ug/l	98
44) Trichloroethene	5.64	130	261404	104.67	ug/l	100
45) 1,2-Dichloropropane	6.37	63	213160	105.09	ug/l	97
46) Dibromomethane	6.22	93	196450	109.93	ug/l	98
47) Bromodichloromethane	6.51	83	477168	109.66	ug/l	93
48) Methyl methacrylate	6.84	41	196596	109.82	ug/l	96
49) 1,4-Dioxane	6.83	88	17357	1608.88	ug/l #	88
51) 4-Methyl-2-Pentanone	8.38	43	900687	459.56	ug/l	99
52) Toluene	7.75	92	546096	101.76	ug/l	97
53) t-1,3-Dichloropropene	8.40	75	409307	103.91	ug/l	97
54) cis-1,3-Dichloropropene	7.42	75	442035	104.79	ug/l	98
55) 1,1,2-Trichloroethane	8.60	97	213591	103.13	ug/l	98
56) Ethyl methacrylate	8.73	69	258798	102.66	ug/l	99
57) 1,3-Dichloropropane	8.97	76	355952	100.15	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.75	63	109058	548.34	ug/l	100
59) 2-Hexanone	9.60	43	660974	408.96	ug/l	97
60) Dibromochloromethane	8.83	129	376852	116.69	ug/l	98
61) 1,2-Dibromoethane	9.11	107	268665	106.65	ug/l	100
64) Tetrachloroethene	8.27	164	308019	118.80	ug/l	99
65) Chlorobenzene	9.90	112	715983	100.05	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.04	131	315639	101.23	ug/l	95
67) Ethyl Benzene	10.00	91	1222855	100.31	ug/l	98
68) m/p-Xylenes	10.24	106	838997	194.81	ug/l	95
69) o-Xylene	10.80	106	478211	99.51	ug/l	93
70) Styrene	10.87	104	729251	99.46	ug/l	98
71) Bromoform	10.86	173	232421	109.26	ug/l #	97
73) Isopropylbenzene	11.21	105	1400749	102.04	ug/l	96
74) N-amyl acetate	11.44	43	439772	90.70	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	305314	90.29	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	239090	92.17	ug/l	96
77) Bromobenzene	11.57	156	375327	99.36	ug/l	98
78) n-propylbenzene	11.67	91	1540615	93.50	ug/l	96
79) 2-Chlorotoluene	11.79	91	1001155	99.07	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	1179091	97.41	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	141705	94.21	ug/l	90
82) 4-Chlorotoluene	11.96	91	1073155	100.17	ug/l	96
83) tert-Butylbenzene	12.19	119	1135769	94.88	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	1213535	96.02	ug/l	95
85) sec-Butylbenzene	12.37	105	1570816	98.37	ug/l	96
86) p-Isopropyltoluene	12.52	119	1287609	95.83	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	651668	92.74	ug/l	96
88) 1,4-Dichlorobenzene	12.63	146	671558	98.38	ug/l	96
89) n-Butylbenzene	12.90	91	1235308	90.55	ug/l	97
90) Hexachloroethane	12.97	117	344102	102.45	ug/l	76
91) 1,2-Dichlorobenzene	13.00	146	653361	94.98	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	80867	105.48	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	507946	99.42	ug/l	99
94) Hexachlorobutadiene	14.24	225	312265	106.57	ug/l	97
95) Naphthalene	14.50	128	1095422	102.37	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	504002	103.61	ug/l	97

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

