

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081618\
 Data File : VF059974.D
 Acq On : 16 Aug 2018 21:58
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 8/17/2018 11:24:32 AM

Quant Time: Aug 17 05:06:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 04:39:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	128191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	191611	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	189121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	129886	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	380738	163.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.04%	
35) Dibromofluoromethane	4.30	113	267617	137.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	274.90%	
50) Toluene-d8	7.72	98	618826	146.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.10%	
62) 4-Bromofluorobenzene	11.51	95	356490	148.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	313694	162.04	ug/l	99
3) Chloromethane	1.07	50	145970	176.79	ug/l	96
4) Vinyl Chloride	1.12	62	174660	178.71	ug/l	92
5) Bromomethane	1.32	94	158651	179.41	ug/l	97
6) Chloroethane	1.39	64	86133	139.31	ug/l	95
7) Trichlorofluoromethane	1.47	101	188865	68.02	ug/l	100
8) Diethyl Ether	1.71	74	91857	220.69	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.85	101	243417	169.33	ug/l	94
10) Methyl Iodide	1.92	142	332265	154.81	ug/l	95
11) Tert butyl alcohol	2.72	59	162709	1508.74	ug/l	99
12) 1,1-Dichloroethene	1.82	96	173526	167.46	ug/l	87
13) Acrolein	2.10	56	85066	1519.26	ug/l	96
14) Allyl chloride	2.19	41	287286	185.88	ug/l	99
15) Acrylonitrile	3.08	53	251520	1505.80	ug/l	95
16) Acetone	2.36	43	650871	1212.05	ug/l	98
17) Carbon Disulfide	1.83	76	514768	183.99	ug/l	100
18) Methyl Acetate	2.46	43	263249	314.92	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	651952	204.71	ug/l	98
20) Methylene Chloride	2.28	84	191107	158.43	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	176237	171.44	ug/l	91
22) Diisopropyl ether	2.94	45	688704	193.76	ug/l	99
23) Vinyl Acetate	3.34	43	1659340	968.22	ug/l	99
24) 1,1-Dichloroethane	3.01	63	405463	163.33	ug/l	99
25) 2-Butanone	4.52	43	594887	1179.23	ug/l	99
26) 2,2-Dichloropropane	3.76	77	407571	235.66	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	178458	161.86	ug/l	98
28) Bromochloromethane	3.89	49	120482	138.36	ug/l	89
29) Tetrahydrofuran	4.27	42	223879	1263.71	ug/l	97
30) Chloroform	4.04	83	496973	151.84	ug/l	98
31) Cyclohexane	3.85	56	193046	164.92	ug/l	88
32) 1,1,1-Trichloroethane	4.28	97	472300	170.63	ug/l	97
36) 1,1-Dichloropropene	4.46	75	296056	139.48	ug/l	98
37) Ethyl Acetate	4.30	43	232122	224.05	ug/l #	83
38) Carbon Tetrachloride	4.17	117	417761	121.22	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	227274	147.59	ug/l	96
40) Benzene	4.81	78	516450	144.76	ug/l	98
41) Methacrylonitrile	4.93	41	111589	226.27	ug/l	93
42) 1,2-Dichloroethane	5.12	62	451632	153.89	ug/l	99
43) Isopropyl Acetate	7.12	43	275015	243.04	ug/l #	98
44) Trichloroethene	5.68	130	191277	138.29	ug/l	100
45) 1,2-Dichloropropane	6.41	63	152177	157.23	ug/l	98
46) Dibromomethane	6.26	93	171599	174.98	ug/l	96
47) Bromodichloromethane	6.55	83	408602	148.44	ug/l #	99
48) Methyl methacrylate	6.88	41	195444	235.16	ug/l	94
49) 1,4-Dioxane	6.88	88	40043	5969.17	ug/l #	85
51) 4-Methyl-2-Pentanone	8.42	43	1151570	1071.21	ug/l	97
52) Toluene	7.79	92	386793	144.80	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	368062	161.05	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	339863	157.14	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	175622	181.71	ug/l	94
56) Ethyl methacrylate	8.77	69	233414	215.97	ug/l	97
57) 1,3-Dichloropropane	9.01	76	318816	180.07	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.79	63	92400	701.59	ug/l	100
59) 2-Hexanone	9.64	43	946129	1170.88	ug/l	95
60) Dibromochloromethane	8.87	129	320488	170.81	ug/l	100
61) 1,2-Dibromoethane	9.14	107	241112	197.15	ug/l	99
64) Tetrachloroethene	8.31	164	210586	143.38	ug/l	98
65) Chlorobenzene	9.95	112	508338	139.29	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	249327	141.64	ug/l	100
67) Ethyl Benzene	10.04	91	943760	146.01	ug/l	98
68) m/p-Xylenes	10.28	106	638279	293.04	ug/l	87
69) o-Xylene	10.83	106	349094	147.84	ug/l	98
70) Styrene	10.91	104	526557	148.63	ug/l	98
71) Bromoform	10.89	173	225792	194.32	ug/l #	96
73) Isopropylbenzene	11.24	105	1087274	135.39	ug/l	100
74) N-amyl acetate	11.47	43	421813	216.71	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	264853	182.15	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	239291	189.79	ug/l	98
77) Bromobenzene	11.60	156	301886	140.75	ug/l	95
78) n-propylbenzene	11.69	91	1257363	132.83	ug/l	99
79) 2-Chlorotoluene	11.82	91	774653	130.21	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	959304	128.16	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.97	75	111188m	210.84	ug/l	
82) 4-Chlorotoluene	12.00	91	892495	135.55	ug/l	97
83) tert-Butylbenzene	12.22	119	894399	122.08	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	1008828	134.07	ug/l	100
85) sec-Butylbenzene	12.39	105	1156814	124.10	ug/l	96
86) p-Isopropyltoluene	12.55	119	1059242	128.52	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	530034	131.00	ug/l	94
88) 1,4-Dichlorobenzene	12.66	146	551493	138.83	ug/l	96
89) n-Butylbenzene	12.92	91	1024092	128.40	ug/l	96
90) Hexachloroethane	13.00	117	255783	126.53	ug/l	88
91) 1,2-Dichlorobenzene	13.02	146	541578	136.51	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	91346	222.78	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	412209	130.84	ug/l	98
94) Hexachlorobutadiene	14.26	225	264718	119.69	ug/l	98
95) Naphthalene	14.53	128	926946	175.36	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	436280	143.99	ug/l	98

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

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