

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059697.D
 Acq On : 30 Jul 2018 19:32
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 92 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 7/31/2018 12:13:16 PM

Quant Time: Jul 31 04:33:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	189069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	271142	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	278358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	180723	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	486752	163.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	327.82%	
35) Dibromofluoromethane	4.29	113	384882	148.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.64%	
50) Toluene-d8	7.70	98	905911	144.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.76%	
62) 4-Bromofluorobenzene	11.50	95	497086	146.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	296261	151.74	ug/l	99
3) Chloromethane	1.08	50	152939	138.56	ug/l	89
4) Vinyl Chloride	1.15	62	165773	141.88	ug/l	90
5) Bromomethane	1.33	94	135011	132.75	ug/l	97
6) Chloroethane	1.42	64	99223	136.11	ug/l #	85
7) Trichlorofluoromethane	1.53	101	450182m	128.13	ug/l	
8) Diethyl Ether	1.69	74	81163	163.06	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	245018	131.17	ug/l	99
10) Methyl Iodide	1.96	142	364183	133.21	ug/l	94
11) Tert butyl alcohol	2.69	59	103803	814.25	ug/l #	94
12) 1,1-Dichloroethene	1.84	96	191472	138.55	ug/l	99
13) Acrolein	2.08	56	55060	975.84	ug/l	88
14) Allyl chloride	2.18	41	316229	139.89	ug/l	91
15) Acrylonitrile	3.06	53	169395	871.72	ug/l	92
16) Acetone	2.33	43	418261	773.01	ug/l	100
17) Carbon Disulfide	1.88	76	413163m	122.99	ug/l	
18) Methyl Acetate	2.44	43	131929	145.66	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	601069	155.63	ug/l	97
20) Methylene Chloride	2.27	84	177707m	89.18	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	188178	132.76	ug/l	92
22) Diisopropyl ether	2.92	45	687083	152.05	ug/l	94
23) Vinyl Acetate	3.32	43	1868923	834.29	ug/l	98
24) 1,1-Dichloroethane	2.98	63	457521	142.31	ug/l	97
25) 2-Butanone	4.50	43	459803	771.27	ug/l #	77
26) 2,2-Dichloropropane	3.74	77	323405	123.66	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	241986	145.55	ug/l	91
28) Bromochloromethane	3.87	49	165996	140.15	ug/l	89
29) Tetrahydrofuran	4.25	42	175466	733.29	ug/l	97
30) Chloroform	4.02	83	665423	146.52	ug/l	99
31) Cyclohexane	3.84	56	232263	125.73	ug/l	96
32) 1,1,1-Trichloroethane	4.26	97	491040	131.81	ug/l	98
36) 1,1-Dichloropropene	4.44	75	387401	131.73	ug/l	100
37) Ethyl Acetate	4.28	43	190384	148.40	ug/l #	80
38) Carbon Tetrachloride	4.16	117	569840m	132.06	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	291646	121.85	ug/l	92
40) Benzene	4.80	78	724114	138.62	ug/l	98
41) Methacrylonitrile	4.91	41	101294	160.34	ug/l #	88
42) 1,2-Dichloroethane	5.10	62	530873	156.19	ug/l	97
43) Isopropyl Acetate	7.10	43	244826	184.31	ug/l #	93
44) Trichloroethene	5.67	130	253009	125.06	ug/l	85
45) 1,2-Dichloropropane	6.40	63	192596	138.74	ug/l	95
46) Dibromomethane	6.24	93	194328	161.21	ug/l	91
47) Bromodichloromethane	6.53	83	521951	147.78	ug/l	96
48) Methyl methacrylate	6.86	41	187248	179.60	ug/l	98
49) 1,4-Dioxane	6.85	88	28733	3453.56	ug/l #	84
51) 4-Methyl-2-Pentanone	8.40	43	855753	800.53	ug/l	97
52) Toluene	7.77	92	536075	138.16	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	443184	156.88	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	449914	153.49	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	216613	168.09	ug/l	93
56) Ethyl methacrylate	8.75	69	241180	176.54	ug/l	96
57) 1,3-Dichloropropane	8.99	76	368548	165.38	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	119071	721.85	ug/l	100
59) 2-Hexanone	9.62	43	676042	852.57	ug/l	96
60) Dibromochloromethane	8.86	129	395196	169.99	ug/l	100
61) 1,2-Dibromoethane	9.13	107	259495	166.52	ug/l	93
64) Tetrachloroethene	8.30	164	265563	119.73	ug/l	96
65) Chlorobenzene	9.93	112	722057	133.51	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	351358	141.15	ug/l	99
67) Ethyl Benzene	10.03	91	1245354	126.98	ug/l	97
68) m/p-Xylenes	10.26	106	853150	251.37	ug/l	95
69) o-Xylene	10.82	106	479781	130.90	ug/l	92
70) Styrene	10.90	104	706918	132.62	ug/l	98
71) Bromoform	10.88	173	237618	154.81	ug/l #	95
73) Isopropylbenzene	11.23	105	1496065	121.28	ug/l	98
74) N-amyl acetate	11.46	43	395960	156.62	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	295447	145.85	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	251709	151.30	ug/l	96
77) Bromobenzene	11.59	156	386909	129.22	ug/l #	61
78) n-propylbenzene	11.69	91	1679723	118.19	ug/l	94
79) 2-Chlorotoluene	11.81	91	1065464	123.19	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	1305753	120.60	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	113888m	131.84	ug/l	
82) 4-Chlorotoluene	11.98	91	1156516	126.90	ug/l	98
83) tert-Butylbenzene	12.21	119	1288261	117.73	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	1329798	119.53	ug/l	98
85) sec-Butylbenzene	12.39	105	1648829	114.53	ug/l	96
86) p-Isopropyltoluene	12.54	119	1431776	115.66	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	694450	118.94	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	719953	129.43	ug/l	97
89) n-Butylbenzene	12.91	91	1348260	112.62	ug/l	98
90) Hexachloroethane	12.99	117	385328	122.28	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	699168	128.80	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	82227	166.90	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	547616	125.88	ug/l	96
94) Hexachlorobutadiene	14.25	225	376841	117.74	ug/l	97
95) Naphthalene	14.52	128	1100450	158.75	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	553404	139.94	ug/l	96

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

