

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059691.D
 Acq On : 30 Jul 2018 16:25
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 7/31/2018 12:12:43 PM

Quant Time: Jul 31 04:13:17 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	5.04	168	200253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	277972	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	283847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	176744	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	356498	113.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	226.68%	
35) Dibromofluoromethane	4.29	113	273213	102.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.40%	
50) Toluene-d8	7.71	98	643936	100.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.22%	
62) 4-Bromofluorobenzene	11.50	95	339751	97.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	212611	102.82	ug/l	96
3) Chloromethane	1.08	50	112676	96.38	ug/l	93
4) Vinyl Chloride	1.15	62	123672	99.93	ug/l	97
5) Bromomethane	1.34	94	100017	92.85	ug/l	95
6) Chloroethane	1.42	64	75921	98.33	ug/l	90
7) Trichlorofluoromethane	1.53	101	332368m	89.31	ug/l	
8) Diethyl Ether	1.70	74	57052	108.22	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.89	101	177181	89.56	ug/l	93
10) Methyl Iodide	1.96	142	278616m	96.22	ug/l	
11) Tert butyl alcohol	2.68	59	71698	531.00	ug/l	97
12) 1,1-Dichloroethene	1.85	96	145805	99.61	ug/l	94
13) Acrolein	2.08	56	41265	690.51	ug/l	93
14) Allyl chloride	2.18	41	230364	96.21	ug/l	90
15) Acrylonitrile	3.07	53	111487	541.68	ug/l	94
16) Acetone	2.34	43	307909	537.28	ug/l	100
17) Carbon Disulfide	1.88	76	308606m	86.73	ug/l	
18) Methyl Acetate	2.45	43	99065	103.27	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	432452	105.72	ug/l	99
20) Methylene Chloride	2.28	84	137377m	65.09	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	131001	87.26	ug/l	95
22) Diisopropyl ether	2.92	45	485085	101.35	ug/l	94
23) Vinyl Acetate	3.33	43	1265899	533.54	ug/l	100
24) 1,1-Dichloroethane	3.00	63	328374	96.43	ug/l	98
25) 2-Butanone	4.51	43	310482	491.71	ug/l #	78
26) 2,2-Dichloropropane	3.76	77	234751	84.75	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	175996	99.94	ug/l	95
28) Bromochloromethane	3.87	49	125119	99.74	ug/l	94
29) Tetrahydrofuran	4.25	42	127178	501.81	ug/l	98
30) Chloroform	4.03	83	450099	93.57	ug/l	96
31) Cyclohexane	3.90	56	177596m	90.77	ug/l	
32) 1,1,1-Trichloroethane	4.27	97	349254	88.51	ug/l	98
36) 1,1-Dichloropropene	4.46	75	275431	91.35	ug/l	98
37) Ethyl Acetate	4.29	43	131364	99.88	ug/l #	82
38) Carbon Tetrachloride	4.16	117	393349m	88.92	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	211659	86.26	ug/l	98
40) Benzene	4.80	78	496770	92.76	ug/l	100
41) Methacrylonitrile	4.92	41	63202	97.59	ug/l	98
42) 1,2-Dichloroethane	5.11	62	351491	100.87	ug/l	97
43) Isopropyl Acetate	7.11	43	156889	115.21	ug/l #	94
44) Trichloroethene	5.67	130	181630	87.57	ug/l	88
45) 1,2-Dichloropropane	6.40	63	135710	95.36	ug/l	94
46) Dibromomethane	6.25	93	126508	102.37	ug/l	93
47) Bromodichloromethane	6.55	83	352225	97.28	ug/l	99
48) Methyl methacrylate	6.87	41	120478	112.72	ug/l	94
49) 1,4-Dioxane	6.86	88	18169	2130.16	ug/l #	91
51) 4-Methyl-2-Pentanone	8.40	43	576918	526.43	ug/l	100
52) Toluene	7.78	92	351130	88.27	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	289984	100.13	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	292905	97.47	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	137705	104.23	ug/l	94
56) Ethyl methacrylate	8.75	69	161356	115.21	ug/l	95
57) 1,3-Dichloropropane	9.00	76	237624	104.01	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	79561	470.48	ug/l	100
59) 2-Hexanone	9.62	43	454232	558.77	ug/l	94
60) Dibromochloromethane	8.86	129	249683	104.76	ug/l	98
61) 1,2-Dibromoethane	9.13	107	169579	106.14	ug/l	98
64) Tetrachloroethene	8.30	164	183193	81.00	ug/l	96
65) Chlorobenzene	9.94	112	486884	88.28	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	230981	91.00	ug/l	99
67) Ethyl Benzene	10.04	91	847941	84.79	ug/l	100
68) m/p-Xylenes	10.26	106	588290	169.98	ug/l	98
69) o-Xylene	10.82	106	327873	87.72	ug/l	96
70) Styrene	10.90	104	476992	87.75	ug/l	99
71) Bromoform	10.88	173	159659	102.01	ug/l	93
73) Isopropylbenzene	11.23	105	1036930	85.95	ug/l	98
74) N-amyl acetate	11.46	43	276623	111.88	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	201123	101.52	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	164923	101.36	ug/l	93
77) Bromobenzene	11.59	156	270310	92.31	ug/l	89
78) n-propylbenzene	11.68	91	1156815	83.23	ug/l	100
79) 2-Chlorotoluene	11.81	91	735597	86.96	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	903065	85.28	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	75917m	89.86	ug/l	
82) 4-Chlorotoluene	11.99	91	773104	86.74	ug/l	98
83) tert-Butylbenzene	12.21	119	927111	86.64	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	908911	83.54	ug/l	97
85) sec-Butylbenzene	12.38	105	1164436	82.71	ug/l	97
86) p-Isopropyltoluene	12.54	119	1016627	83.97	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	477640	83.65	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	490543	90.17	ug/l	97
89) n-Butylbenzene	12.91	91	974306	83.22	ug/l	98
90) Hexachloroethane	12.99	117	268824	87.23	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	462462	87.11	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	52859	109.70	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	370579	87.10	ug/l	95
94) Hexachlorobutadiene	14.25	225	262137	83.75	ug/l	97
95) Naphthalene	14.52	128	732824	108.10	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	365761	94.58	ug/l	96

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

