

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059725.D
 Acq On : 31 Jul 2018 23:58
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/1/2018 4:29:42 PM

Quant Time: Aug 01 07:57:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	159669	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	230053	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	232202	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	150937	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	155348	54.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.28%	
35) Dibromofluoromethane	4.30	113	130062	54.43	ug/l	0.01
Spiked Amount 50.000			Recovery	=	108.86%	
50) Toluene-d8	7.71	98	288939	51.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	11.51	95	173578	56.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	97088	54.583	ug/l	97
3) Chloromethane	1.08	50	49293	53.508	ug/l	94
4) Vinyl Chloride	1.15	62	49450	49.940	ug/l	95
5) Bromomethane	1.33	94	46231	57.508	ug/l	93
6) Chloroethane	1.42	64	35567	59.920	ug/l	92
7) Trichlorofluoromethane	1.53	101	170372m	57.138	ug/l	
8) Diethyl Ether	1.70	74	23979	47.032	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	89372	57.228	ug/l	97
10) Methyl Iodide	1.95	142	125954	57.848	ug/l	93
11) Tert butyl alcohol	2.68	59	25574	220.862	ug/l	98
12) 1,1-Dichloroethene	1.84	96	62185	50.291	ug/l	88
13) Acrolein	2.09	56	15843	260.685	ug/l	95
14) Allyl chloride	2.19	41	102409	51.873	ug/l	99
15) Acrylonitrile	3.08	53	47493	256.150	ug/l	93
16) Acetone	2.34	43	110833	214.729	ug/l	96
17) Carbon Disulfide	1.88	76	133055m	52.937	ug/l	
18) Methyl Acetate	2.44	43	44470m	56.114	ug/l	
19) Methyl tert-butyl Ether	2.54	73	190330	50.475	ug/l	99
20) Methylene Chloride	2.28	84	61783	55.703	ug/l	90
21) trans-1,2-Dichloroethene	2.41	96	61198	56.887	ug/l	93
22) Diisopropyl ether	2.93	45	210495	50.419	ug/l	100
23) Vinyl Acetate	3.33	43	521730	243.070	ug/l #	96
24) 1,1-Dichloroethane	3.01	63	147940	51.005	ug/l	98
25) 2-Butanone	4.53	43	136812	237.510	ug/l #	83
26) 2,2-Dichloropropane	3.76	77	102829	49.732	ug/l	94
27) cis-1,2-Dichloroethene	3.63	96	74225	47.788	ug/l	96
28) Bromochloromethane	3.88	49	54169	53.982	ug/l	89
29) Tetrahydrofuran	4.25	42	49726	224.607	ug/l	95
30) Chloroform	4.04	83	212182	51.832	ug/l	98
31) Cyclohexane	3.86	56	68161	48.350	ug/l	88
32) 1,1,1-Trichloroethane	4.28	97	170683	53.753	ug/l	99
36) 1,1-Dichloropropene	4.46	75	117773	50.618	ug/l	99
37) Ethyl Acetate	4.30	43	56487	49.121	ug/l #	63
38) Carbon Tetrachloride	4.17	117	183798m	50.250	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	93367	52.824	ug/l	98
40) Benzene	4.81	78	212063	45.646	ug/l	99
41) Methacrylonitrile	4.92	41	26064	44.708	ug/l #	79
42) 1,2-Dichloroethane	5.12	62	170487	52.435	ug/l	97
43) Isopropyl Acetate	7.12	43	53651	39.002	ug/l #	90
44) Trichloroethene	5.68	130	83465	53.983	ug/l	83
45) 1,2-Dichloropropane	6.41	63	61422	50.062	ug/l	99
46) Dibromomethane	6.25	93	60433	51.881	ug/l	94
47) Bromodichloromethane	6.54	83	160340	50.547	ug/l	97
48) Methyl methacrylate	6.87	41	45303	43.784	ug/l	96
49) 1,4-Dioxane	6.87	88	5813	877.430	ug/l #	83
51) 4-Methyl-2-Pentanone	8.41	43	246657	235.714	ug/l	97
52) Toluene	7.78	92	160084	51.855	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	131364	47.727	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	125659	47.134	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	61137	48.589	ug/l	91
56) Ethyl methacrylate	8.76	69	61248	46.676	ug/l	97
57) 1,3-Dichloropropane	9.00	76	102401	47.439	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	38783	255.987	ug/l #	100
59) 2-Hexanone	9.63	43	180390	215.119	ug/l	96
60) Dibromochloromethane	8.86	129	113511	51.126	ug/l	96
61) 1,2-Dibromoethane	9.14	107	71983	48.993	ug/l	93
64) Tetrachloroethene	8.31	164	85356	54.885	ug/l	99
65) Chlorobenzene	9.95	112	226899	48.848	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	108300	49.940	ug/l	96
67) Ethyl Benzene	10.04	91	399128	49.663	ug/l	99
68) m/p-Xylenes	10.27	106	266050	106.549	ug/l	93
69) o-Xylene	10.83	106	153566	51.858	ug/l	87
70) Styrene	10.90	104	224646	50.076	ug/l	97
71) Bromoform	10.89	173	71577	50.653	ug/l	95
73) Isopropylbenzene	11.23	105	492155	49.694	ug/l	98
74) N-amyl acetate	11.46	43	107473	43.013	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	90231	48.400	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	75484	47.616	ug/l	100
77) Bromobenzene	11.60	156	118701	45.899	ug/l	89
78) n-propylbenzene	11.69	91	559927	55.732	ug/l	99
79) 2-Chlorotoluene	11.82	91	352798	55.723	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	441865	56.774	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	29701m	45.241	ug/l	
82) 4-Chlorotoluene	11.99	91	372035	54.907	ug/l	98
83) tert-Butylbenzene	12.21	119	451351	50.768	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	448026	56.823	ug/l	97
85) sec-Butylbenzene	12.39	105	586384	58.926	ug/l	97
86) p-Isopropyltoluene	12.54	119	506409	58.358	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	233999	55.911	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	228511	53.732	ug/l	99
89) n-Butylbenzene	12.92	91	484612	58.921	ug/l	98
90) Hexachloroethane	12.99	117	132117	52.890	ug/l	94
91) 1,2-Dichlorobenzene	13.02	146	232661	56.918	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	24048	52.767	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	179507	55.087	ug/l	99
94) Hexachlorobutadiene	14.25	225	129415	52.274	ug/l	99
95) Naphthalene	14.52	128	331993	51.016	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	185574	51.593	ug/l	98

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

