

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110218\
 Data File : VF060558.D
 Acq On : 2 Nov 2018 12:01
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 3:55:34 PM

Quant Time: Nov 03 03:50:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 04:25:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	278074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	449229	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	405362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	221865	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	52928	13.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	26.12%	
35) Dibromofluoromethane	4.11	113	67812	16.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	32.16%	
50) Toluene-d8	7.56	98	210070	20.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.38%	
62) 4-Bromofluorobenzene	11.42	95	95739	20.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	77909	15.048	ug/l	99
3) Chloromethane	1.10	50	54632	17.507	ug/l	98
4) Vinyl Chloride	1.14	62	49614	15.436	ug/l	94
5) Bromomethane	1.32	94	23502	9.644	ug/l	91
6) Chloroethane	1.37	64	17053	10.412	ug/l	95
7) Trichlorofluoromethane	1.49	101	84183m	11.239	ug/l	
8) Diethyl Ether	1.63	74	15978	16.421	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	1.82	101	48952	13.129	ug/l	98
10) Methyl Iodide	1.89	142	80745	13.880	ug/l	99
11) Tert butyl alcohol	2.58	59	16076	82.689	ug/l #	75
12) 1,1-Dichloroethene	1.78	96	37916	12.629	ug/l	91
13) Acrolein	2.00	56	12179	73.031	ug/l	91
14) Allyl chloride	2.10	41	71664	14.866	ug/l	95
15) Acrylonitrile	2.94	53	32727	78.365	ug/l	93
16) Acetone	2.24	43	68895	78.075	ug/l	100
17) Carbon Disulfide	1.84	76	115850	13.837	ug/l	99
18) Methyl Acetate	2.35	43	19624	15.286	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	95046	14.427	ug/l	92
20) Methylene Chloride	2.19	84	45289m	14.419	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	43094	14.018	ug/l	89
22) Diisopropyl ether	2.81	45	140549	16.092	ug/l #	95
23) Vinyl Acetate	3.19	43	437473	127.079	ug/l	99
24) 1,1-Dichloroethane	2.88	63	78486	12.557	ug/l	97
25) 2-Butanone	4.34	43	164706	128.043	ug/l	98
26) 2,2-Dichloropropane	3.61	77	59919	15.527	ug/l	100
27) cis-1,2-Dichloroethene	3.48	96	77007	19.842	ug/l	98
28) Bromochloromethane	3.72	49	51620	21.758	ug/l	99
29) Tetrahydrofuran	4.08	42	52864	132.534	ug/l	98
30) Chloroform	3.86	83	128700	16.162	ug/l	92
31) Cyclohexane	3.69	56	116494	24.180	ug/l	97
32) 1,1,1-Trichloroethane	4.10	97	93859	14.569	ug/l	97
36) 1,1-Dichloropropene	4.28	75	106094	19.266	ug/l	98
37) Ethyl Acetate	4.11	43	52596	27.969	ug/l	97
38) Carbon Tetrachloride	4.00	117	87972	13.982	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	125751	21.765	ug/l	97
40) Benzene	4.63	78	255086	22.664	ug/l	97
41) Methacrylonitrile	4.75	41	29030	26.954	ug/l #	88
42) 1,2-Dichloroethane	4.95	62	69927	14.411	ug/l	97
43) Isopropyl Acetate	6.96	43	62450	27.835	ug/l #	94
44) Trichloroethene	5.51	130	74936	20.714	ug/l	96
45) 1,2-Dichloropropane	6.24	63	63712	22.659	ug/l	98
46) Dibromomethane	6.09	93	41395	19.514	ug/l	95
47) Bromodichloromethane	6.39	83	98010	18.236	ug/l	97
48) Methyl methacrylate	6.72	41	42524	28.044	ug/l	96
49) 1,4-Dioxane	6.71	88	8505	574.883	ug/l #	80
51) 4-Methyl-2-Pentanone	8.26	43	220100	136.100	ug/l	100
52) Toluene	7.63	92	165878	22.965	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	87275	20.632	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	106191	20.717	ug/l	93
55) 1,1,2-Trichloroethane	8.50	97	47732	22.540	ug/l	95
56) Ethyl methacrylate	8.63	69	62824	26.202	ug/l	94
57) 1,3-Dichloropropane	8.85	76	85538	23.847	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.63	63	23534	97.676	ug/l	100
59) 2-Hexanone	9.49	43	178301	152.218	ug/l	99
60) Dibromochloromethane	8.72	129	67815	20.130	ug/l	94
61) 1,2-Dibromoethane	8.99	107	50034	20.498	ug/l	100
64) Tetrachloroethene	8.15	164	67505	20.012	ug/l	97
65) Chlorobenzene	9.80	112	173106	21.355	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.94	131	69909	18.979	ug/l	98
67) Ethyl Benzene	9.91	91	308779	20.011	ug/l	99
68) m/p-Xylenes	10.14	106	237957	44.638	ug/l	96
69) o-Xylene	10.72	106	127941	21.400	ug/l	94
70) Styrene	10.80	104	191625	22.646	ug/l	98
71) Bromoform	10.78	173	37134	19.798	ug/l	99
73) Isopropylbenzene	11.13	105	370288	21.578	ug/l	97
74) N-amyl acetate	11.38	43	102154	28.416	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	68985	24.021	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	31841	16.149	ug/l	91
77) Bromobenzene	11.50	156	76501	20.371	ug/l	98
78) n-propylbenzene	11.60	91	425914	21.062	ug/l	100
79) 2-Chlorotoluene	11.72	91	242358	20.128	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	298106	20.364	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	25182m	26.159	ug/l	
82) 4-Chlorotoluene	11.90	91	253053	20.355	ug/l	97
83) tert-Butylbenzene	12.14	119	303513	21.101	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	286505	19.265	ug/l	95
85) sec-Butylbenzene	12.32	105	418322	20.748	ug/l	97
86) p-Isopropyltoluene	12.46	119	357382	21.615	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	159417	21.238	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	145509	20.513	ug/l	98
89) n-Butylbenzene	12.85	91	361251	20.840	ug/l	94
90) Hexachloroethane	12.93	117	89375	20.974	ug/l	93
91) 1,2-Dichlorobenzene	12.95	146	147560	20.960	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	11548	19.860	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	99914	19.179	ug/l	96
94) Hexachlorobutadiene	14.20	225	63958	17.542	ug/l	98
95) Naphthalene	14.47	128	190658	20.576	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	92386	18.682	ug/l	97

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

