

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100118\
 Data File : VF060388.D
 Acq On : 1 Oct 2018 17:46
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:29:34 PM

Quant Time: Oct 02 00:24:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 00:00:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	263470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	417409	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	388658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	211737	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	43033	11.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.28%	
35) Dibromofluoromethane	4.27	113	41129	10.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.68%	
50) Toluene-d8	7.69	98	104549	10.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.46%	
62) 4-Bromofluorobenzene	11.49	95	49087	11.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	74455	14.754	ug/l	92
3) Chloromethane	1.12	50	40576	11.069	ug/l	99
4) Vinyl Chloride	1.18	62	39153	10.430	ug/l	92
5) Bromomethane	1.37	94	32432	12.457	ug/l	92
6) Chloroethane	1.43	64	19305	10.733	ug/l	88
7) Trichlorofluoromethane	1.53	101	96192	13.197	ug/l	96
8) Diethyl Ether	1.69	74	12823	11.120	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.88	101	46051	12.217	ug/l	91
10) Methyl Iodide	1.95	142	66466	11.043	ug/l	93
11) Tert butyl alcohol	2.67	59	11817	49.966	ug/l #	62
12) 1,1-Dichloroethene	1.85	96	32877	10.761	ug/l #	83
13) Acrolein	2.08	56	9410m	69.515	ug/l	
14) Allyl chloride	2.18	41	55415	10.494	ug/l	98
15) Acrylonitrile	3.06	53	19954	40.265	ug/l	96
16) Acetone	2.33	43	55865	56.328	ug/l	100
17) Carbon Disulfide	1.89	76	100279	10.673	ug/l	99
18) Methyl Acetate	2.43	43	19245	11.321	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	81199	10.587	ug/l	99
20) Methylene Chloride	2.26	84	39411m	11.019	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	33914	10.692	ug/l #	88
22) Diisopropyl ether	2.91	45	94799	9.596	ug/l #	97
23) Vinyl Acetate	3.31	43	189008	48.472	ug/l	100
24) 1,1-Dichloroethane	2.98	63	66344	10.181	ug/l	98
25) 2-Butanone	4.48	43	58751	45.531	ug/l	99
26) 2,2-Dichloropropane	3.74	77	38663	10.519	ug/l	92
27) cis-1,2-Dichloroethene	3.62	96	38513	9.538	ug/l	89
28) Bromochloromethane	3.86	49	23078	9.099	ug/l	96
29) Tetrahydrofuran	4.24	42	19874	40.977	ug/l	96
30) Chloroform	4.01	83	79553	10.177	ug/l	96
31) Cyclohexane	3.83	56	46291	8.607	ug/l	92
32) 1,1,1-Trichloroethane	4.25	97	69814	11.146	ug/l	99
36) 1,1-Dichloropropene	4.43	75	53590	10.209	ug/l	94
37) Ethyl Acetate	4.26	43	22399	10.327	ug/l #	90
38) Carbon Tetrachloride	4.14	117	66333m	11.225	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	53719	9.739	ug/l	84
40) Benzene	4.78	78	111329	9.643	ug/l	99
41) Methacrylonitrile	4.89	41	10699	9.195	ug/l #	87
42) 1,2-Dichloroethane	5.09	62	49969	11.179	ug/l	100
43) Isopropyl Acetate	7.09	43	24216	9.264	ug/l #	98
44) Trichloroethene	5.65	130	35296	10.205	ug/l	95
45) 1,2-Dichloropropane	6.38	63	28829	9.584	ug/l #	89
46) Dibromomethane	6.23	93	22899	10.422	ug/l	93
47) Bromodichloromethane	6.52	83	53820	10.143	ug/l #	85
48) Methyl methacrylate	6.85	41	18234	9.808	ug/l	93
49) 1,4-Dioxane	6.84	88	3351	203.668	ug/l #	85
51) 4-Methyl-2-Pentanone	8.38	43	90051	45.892	ug/l	98
52) Toluene	7.76	92	77645	10.539	ug/l	99
53) t-1,3-Dichloropropene	8.40	75	46614	11.020	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	52213	9.838	ug/l	95
55) 1,1,2-Trichloroethane	8.61	97	23919	10.700	ug/l #	89
56) Ethyl methacrylate	8.73	69	27926	10.332	ug/l	92
57) 1,3-Dichloropropane	8.97	76	41216	11.087	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	14256	58.193	ug/l	100
59) 2-Hexanone	9.61	43	72511	52.261	ug/l	98
60) Dibromochloromethane	8.84	129	33752	10.018	ug/l	89
61) 1,2-Dibromoethane	9.12	107	24614	9.778	ug/l	93
64) Tetrachloroethene	8.28	164	32184	9.276	ug/l	95
65) Chlorobenzene	9.92	112	85239	9.786	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	36412	9.927	ug/l	94
67) Ethyl Benzene	10.01	91	164957	10.197	ug/l	96
68) m/p-Xylenes	10.24	106	118355	21.195	ug/l	99
69) o-Xylene	10.81	106	59510	9.522	ug/l	92
70) Styrene	10.88	104	88476	10.066	ug/l	98
71) Bromoform	10.87	173	17544	8.771	ug/l #	96
73) Isopropylbenzene	11.21	105	185046	9.899	ug/l	99
74) N-amyl acetate	11.44	43	39286	9.701	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.77	83	31840	9.596	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	23997	9.996	ug/l	98
77) Bromobenzene	11.58	156	41459	10.266	ug/l	83
78) n-propylbenzene	11.67	91	230085	10.365	ug/l	98
79) 2-Chlorotoluene	11.80	91	135300	10.569	ug/l	92
80) 1,3,5-Trimethylbenzene	11.90	105	159883	10.575	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	10151m	8.104	ug/l	
82) 4-Chlorotoluene	11.98	91	135307	10.566	ug/l	100
83) tert-Butylbenzene	12.20	119	159833	10.399	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	159992	10.364	ug/l	100
85) sec-Butylbenzene	12.37	105	223440	10.557	ug/l	93
86) p-Isopropyltoluene	12.53	119	182215	10.817	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	80714	10.645	ug/l	96
88) 1,4-Dichlorobenzene	12.63	146	76231	10.214	ug/l	95
89) n-Butylbenzene	12.90	91	193634	10.793	ug/l	93
90) Hexachloroethane	12.98	117	43142	9.973	ug/l	79
91) 1,2-Dichlorobenzene	13.00	146	74286	10.235	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.70	75	5209	8.291	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	54410	10.268	ug/l	94
94) Hexachlorobutadiene	14.24	225	38634	10.796	ug/l	97
95) Naphthalene	14.51	128	90967	9.721	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	48625	9.952	ug/l	95

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

