

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
 Data File : VF061268.D
 Acq On : 3 Jan 2019 16:43
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 1/4/2019 2:12:42 PM

Quant Time: Jan 04 03:01:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	204372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	365978	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	330759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	158095	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	245564	93.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	187.24%	
35) Dibromofluoromethane	4.12	113	260163	88.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	177.94%	
50) Toluene-d8	7.56	98	755812	90.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	181.36%	
62) 4-Bromofluorobenzene	11.41	95	323448	84.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	169.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	369459	83.270	ug/l	95
3) Chloromethane	1.10	50	266548	100.473	ug/l	94
4) Vinyl Chloride	1.15	62	242849	98.964	ug/l	96
5) Bromomethane	1.33	94	162573	95.866	ug/l	86
6) Chloroethane	1.39	64	107184	95.355	ug/l	93
7) Trichlorofluoromethane	1.48	101	439263m	95.196	ug/l	
8) Diethyl Ether	1.63	74	63245	100.879	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	208729	86.540	ug/l	97
10) Methyl Iodide	1.91	142	357255m	94.429	ug/l	
11) Tert butyl alcohol	2.58	59	52173	498.035	ug/l	96
12) 1,1-Dichloroethene	1.80	96	182371	100.871	ug/l	98
13) Acrolein	2.00	56	42422	539.850	ug/l	98
14) Allyl chloride	2.09	41	272544	132.117	ug/l	96
15) Acrylonitrile	2.94	53	123914	500.893	ug/l	98
16) Acetone	2.24	43	219590	439.624	ug/l	100
17) Carbon Disulfide	1.84	76	559261m	100.919	ug/l	
18) Methyl Acetate	2.35	43	89764	82.614	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	387960	98.193	ug/l	98
20) Methylene Chloride	2.18	84	182535m	91.625	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	193301	98.309	ug/l	98
22) Diisopropyl ether	2.80	45	653833	103.506	ug/l	97
23) Vinyl Acetate	3.19	43	1423486	493.785	ug/l	99
24) 1,1-Dichloroethane	2.87	63	366947	97.709	ug/l	99
25) 2-Butanone	4.34	43	402454	473.607	ug/l #	89
26) 2,2-Dichloropropane	3.60	77	215193	99.186	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	282325	94.921	ug/l	96
28) Bromochloromethane	3.72	49	177195	95.064	ug/l	92
29) Tetrahydrofuran	4.08	42	161989	467.317	ug/l	96
30) Chloroform	3.86	83	506764	91.187	ug/l	98
31) Cyclohexane	3.69	56	376084m	95.603	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	314858	90.779	ug/l	98
36) 1,1-Dichloropropene	4.28	75	392582	88.690	ug/l	97
37) Ethyl Acetate	4.12	43	154041	86.192	ug/l #	76
38) Carbon Tetrachloride	4.00	117	312253	91.464	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	426332	104.831	ug/l	94
40) Benzene	4.64	78	863686	90.122	ug/l	98
41) Methacrylonitrile	4.76	41	85120	92.939	ug/l	97
42) 1,2-Dichloroethane	4.94	62	314331	89.242	ug/l	99
43) Isopropyl Acetate	6.97	43	211177	98.965	ug/l #	97
44) Trichloroethene	5.51	130	268498	90.199	ug/l	97
45) 1,2-Dichloropropane	6.24	63	232663	89.769	ug/l	98
46) Dibromomethane	6.09	93	162645	98.240	ug/l	97
47) Bromodichloromethane	6.39	83	394335	92.019	ug/l	99
48) Methyl methacrylate	6.72	41	148809	99.949	ug/l	95
49) 1,4-Dioxane	6.71	88	20149	1898.342	ug/l #	86
51) 4-Methyl-2-Pentanone	8.26	43	664621	455.451	ug/l	100
52) Toluene	7.63	92	568702	89.774	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	304899	87.299	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	402248	91.611	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	179930	95.601	ug/l	98
56) Ethyl methacrylate	8.62	69	181523	89.307	ug/l	91
57) 1,3-Dichloropropane	8.86	76	311987	91.435	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	130460	352.095	ug/l	91
59) 2-Hexanone	9.50	43	505626	481.989	ug/l	98
60) Dibromochloromethane	8.72	129	253429	95.393	ug/l	93
61) 1,2-Dibromoethane	9.00	107	188490	94.161	ug/l	93
64) Tetrachloroethene	8.16	164	240025	93.407	ug/l	98
65) Chlorobenzene	9.81	112	611835	88.525	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.94	131	251307	88.943	ug/l	98
67) Ethyl Benzene	9.91	91	1086958	85.850	ug/l	96
68) m/p-Xylenes	10.14	106	799136	180.551	ug/l	92
69) o-Xylene	10.71	106	447596	90.366	ug/l	97
70) Styrene	10.79	104	593610	86.702	ug/l	99
71) Bromoform	10.77	173	122639	94.224	ug/l #	97
73) Isopropylbenzene	11.13	105	1199673	87.983	ug/l	98
74) N-amyl acetate	11.38	43	319229	104.814	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	213326	95.330	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	159121	95.474	ug/l	96
77) Bromobenzene	11.50	156	260214	89.184	ug/l	90
78) n-propylbenzene	11.60	91	1371850	85.616	ug/l	94
79) 2-Chlorotoluene	11.72	91	821780	88.315	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	959815	86.119	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.87	75	70205m	96.479	ug/l	
82) 4-Chlorotoluene	11.91	91	815824	84.367	ug/l	96
83) tert-Butylbenzene	12.13	119	969594	84.614	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	972500	87.488	ug/l	93
85) sec-Butylbenzene	12.31	105	1332555	88.417	ug/l	95
86) p-Isopropyltoluene	12.46	119	1107949	88.403	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	487734	88.216	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	488080	90.068	ug/l	97
89) n-Butylbenzene	12.85	91	1072599	82.865	ug/l	95
90) Hexachloroethane	12.92	117	295706	95.593	ug/l	80
91) 1,2-Dichlorobenzene	12.94	146	462532	88.862	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	43316	106.575	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	333343	89.864	ug/l	97
94) Hexachlorobutadiene	14.20	225	216574	91.710	ug/l	96
95) Naphthalene	14.46	128	684857	102.186	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	331058	97.561	ug/l	96

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

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