

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF011519\
 Data File : VF061409.D
 Acq On : 15 Jan 2019 16:25
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 1/16/2019 4:05:49 PM

Quant Time: Jan 16 04:02:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:16:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	179075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	316680	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	283837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	140714	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	224133	102.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	205.22%	
35) Dibromofluoromethane	4.11	113	241984	94.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	189.06%	
50) Toluene-d8	7.54	98	696467	100.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	201.30%	
62) 4-Bromofluorobenzene	11.41	95	293819	87.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	175.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	355341	100.126	ug/l	89
3) Chloromethane	1.10	50	233233	86.690	ug/l	98
4) Vinyl Chloride	1.14	62	216027	91.157	ug/l	99
5) Bromomethane	1.34	94	142580	87.867	ug/l	99
6) Chloroethane	1.39	64	90841	84.850	ug/l	98
7) Trichlorofluoromethane	1.49	101	393711	83.440	ug/l	96
8) Diethyl Ether	1.62	74	54932	92.849	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	202837	92.003	ug/l	95
10) Methyl Iodide	1.90	142	317190m	92.854	ug/l	
11) Tert butyl alcohol	2.57	59	43452	457.354	ug/l	96
12) 1,1-Dichloroethene	1.78	96	148250	90.514	ug/l	97
13) Acrolein	2.00	56	40823	461.936	ug/l	99
14) Allyl chloride	2.09	41	188531	63.991	ug/l	94
15) Acrylonitrile	2.94	53	109318	441.400	ug/l	97
16) Acetone	2.23	43	195133	413.695	ug/l	98
17) Carbon Disulfide	1.83	76	463699m	90.759	ug/l	
18) Methyl Acetate	2.34	43	80467	72.303	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	343728	94.160	ug/l	99
20) Methylene Chloride	2.24	84	143387m	77.293	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	163307m	89.748	ug/l	
22) Diisopropyl ether	2.80	45	548117	95.655	ug/l	98
23) Vinyl Acetate	3.18	43	1289856	591.641	ug/l	99
24) 1,1-Dichloroethane	2.87	63	334976	91.800	ug/l	96
25) 2-Butanone	4.33	43	346948	461.804	ug/l	94
26) 2,2-Dichloropropane	3.59	77	191112	81.300	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	250983	95.478	ug/l	95
28) Bromochloromethane	3.70	49	140056	82.452	ug/l #	91
29) Tetrahydrofuran	4.06	42	152024	459.925	ug/l	97
30) Chloroform	3.85	83	463831	94.191	ug/l	99
31) Cyclohexane	3.68	56	334858m	89.930	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	323021	86.259	ug/l	97
36) 1,1-Dichloropropene	4.27	75	354266	94.336	ug/l	99
37) Ethyl Acetate	4.11	43	143401	94.046	ug/l #	61
38) Carbon Tetrachloride	3.98	117	279840	68.782	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	359254	86.648	ug/l	96
40) Benzene	4.62	78	734928	86.297	ug/l	99
41) Methacrylonitrile	4.74	41	72489	90.256	ug/l #	91
42) 1,2-Dichloroethane	4.94	62	281003	95.200	ug/l	97
43) Isopropyl Acetate	6.95	43	191626	105.102	ug/l #	90
44) Trichloroethene	5.50	130	223966	85.607	ug/l	100
45) 1,2-Dichloropropane	6.23	63	215957	98.924	ug/l	98
46) Dibromomethane	6.08	93	144872	101.221	ug/l	98
47) Bromodichloromethane	6.38	83	363713	103.855	ug/l	98
48) Methyl methacrylate	6.70	41	125563	102.009	ug/l	94
49) 1,4-Dioxane	6.70	88	16418	1785.752	ug/l #	88
51) 4-Methyl-2-Pentanone	8.25	43	619525	433.879	ug/l	98
52) Toluene	7.62	92	502154	88.796	ug/l	96
53) t-1,3-Dichloropropene	8.27	75	282916	100.139	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	349805	98.441	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	154140	100.287	ug/l	99
56) Ethyl methacrylate	8.62	69	182883	103.829	ug/l	96
57) 1,3-Dichloropropane	8.84	76	297789	104.445	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	102200	857.686	ug/l	97
59) 2-Hexanone	9.49	43	444820	447.549	ug/l	99
60) Dibromochloromethane	8.71	129	238849	109.339	ug/l	98
61) 1,2-Dibromoethane	8.98	107	178193	101.330	ug/l	96
64) Tetrachloroethene	8.14	164	221164	102.290	ug/l	95
65) Chlorobenzene	9.79	112	547167	90.967	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	228106	96.877	ug/l	98
67) Ethyl Benzene	9.89	91	993864	89.237	ug/l	99
68) m/p-Xylenes	10.13	106	718660	178.862	ug/l	92
69) o-Xylene	10.71	106	401485	93.551	ug/l	91
70) Styrene	10.79	104	531443	89.217	ug/l	100
71) Bromoform	10.77	173	112186	110.558	ug/l #	99
73) Isopropylbenzene	11.12	105	1043425	84.903	ug/l	96
74) N-amyl acetate	11.37	43	273832	97.015	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	196940	92.138	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	139947	91.087	ug/l	98
77) Bromobenzene	11.49	156	240645	95.931	ug/l	91
78) n-propylbenzene	11.59	91	1222252	81.637	ug/l	99
79) 2-Chlorotoluene	11.71	91	719933	84.612	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	876129	89.309	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.86	75	67406m	83.152	ug/l	
82) 4-Chlorotoluene	11.89	91	779138	92.452	ug/l	99
83) tert-Butylbenzene	12.13	119	905940	88.809	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	885806	87.287	ug/l	98
85) sec-Butylbenzene	12.31	105	1210473	87.251	ug/l	97
86) p-Isopropyltoluene	12.45	119	964918	83.544	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	434707	84.297	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	447470	94.722	ug/l	96
89) n-Butylbenzene	12.84	91	1003942	84.102	ug/l	96
90) Hexachloroethane	12.92	117	263754	103.453	ug/l	88
91) 1,2-Dichlorobenzene	12.94	146	423920	88.216	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	36426	100.535	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	303451	90.480	ug/l	98
94) Hexachlorobutadiene	14.19	225	201512	99.227	ug/l	99
95) Naphthalene	14.46	128	654287	109.602	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	293961	97.581	ug/l	97

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

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