

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061073.D
 Acq On : 18 Dec 2018 20:49
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00G/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 12/20/2018 10:29:01 AM

Quant Time: Dec 19 06:29:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 04:15:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	198523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	343951	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	328419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	159106	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	252595	108.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.44%	
35) Dibromofluoromethane	4.11	113	255909	95.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.10%	
50) Toluene-d8	7.55	98	703381	88.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.90%	
62) 4-Bromofluorobenzene	11.41	95	335969	93.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	379660	117.810	ug/l	98
3) Chloromethane	1.10	50	227766	110.279	ug/l	99
4) Vinyl Chloride	1.14	62	211586	110.688	ug/l	90
5) Bromomethane	1.34	94	147843	111.238	ug/l	99
6) Chloroethane	1.39	64	93247	113.168	ug/l	92
7) Trichlorofluoromethane	1.49	101	397711	100.352	ug/l	98
8) Diethyl Ether	1.63	74	58958	103.932	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	205590	102.739	ug/l	95
10) Methyl Iodide	1.90	142	342591m	111.750	ug/l	
11) Tert butyl alcohol	2.58	59	44841	463.339	ug/l	99
12) 1,1-Dichloroethene	1.79	96	157373	97.862	ug/l	96
13) Acrolein	2.00	56	35096	417.677	ug/l #	70
14) Allyl chloride	2.09	41	163343	87.098	ug/l	93
15) Acrylonitrile	2.94	53	106573	481.143	ug/l	97
16) Acetone	2.24	43	211544	472.528	ug/l	97
17) Carbon Disulfide	1.84	76	486190m	110.249	ug/l	
18) Methyl Acetate	2.35	43	83380	100.577	ug/l	95
19) Methyl tert-butyl Ether	2.42	73	341930	95.221	ug/l	100
20) Methylene Chloride	2.25	84	148468m	96.820	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	164065m	105.797	ug/l	
22) Diisopropyl ether	2.80	45	557661	102.664	ug/l	95
23) Vinyl Acetate	3.18	43	1227615	492.417	ug/l	98
24) 1,1-Dichloroethane	2.87	63	322719	100.004	ug/l	99
25) 2-Butanone	4.34	43	342878	452.765	ug/l	92
26) 2,2-Dichloropropane	3.60	77	178869	87.631	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	250290	99.578	ug/l	97
28) Bromochloromethane	3.72	49	166302	104.977	ug/l	98
29) Tetrahydrofuran	4.07	42	138511	433.693	ug/l	96
30) Chloroform	3.86	83	464050	93.135	ug/l	98
31) Cyclohexane	3.69	56	322097m	95.163	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	314261m	95.284	ug/l	
36) 1,1-Dichloropropene	4.28	75	358946	93.196	ug/l	97
37) Ethyl Acetate	4.11	43	132556	85.199	ug/l #	99
38) Carbon Tetrachloride	3.98	117	274999	84.326	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	294627m	73.588	ug/l	
40) Benzene	4.62	78	747084	88.178	ug/l	96
41) Methacrylonitrile	4.75	41	74533	80.923	ug/l	94
42) 1,2-Dichloroethane	4.94	62	304178	98.474	ug/l	98
43) Isopropyl Acetate	6.96	43	182936	87.660	ug/l #	95
44) Trichloroethene	5.50	130	234429	84.836	ug/l	97
45) 1,2-Dichloropropane	6.23	63	205612	93.815	ug/l	100
46) Dibromomethane	6.08	93	147260	99.199	ug/l	90
47) Bromodichloromethane	6.38	83	364347	92.182	ug/l	98
48) Methyl methacrylate	6.72	41	132191	94.773	ug/l	94
49) 1,4-Dioxane	6.71	88	17867	1771.619	ug/l	93
51) 4-Methyl-2-Pentanone	8.25	43	568832	401.359	ug/l	98
52) Toluene	7.62	92	500976	84.452	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	285705	89.532	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	359152	91.203	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	153694	90.035	ug/l	96
56) Ethyl methacrylate	8.62	69	176085	93.543	ug/l	96
57) 1,3-Dichloropropane	8.85	76	277834	92.729	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	176764	793.126	ug/l	96
59) 2-Hexanone	9.49	43	399374	398.761	ug/l	100
60) Dibromochloromethane	8.72	129	238495	93.543	ug/l	97
61) 1,2-Dibromoethane	8.98	107	167680	90.364	ug/l	93
64) Tetrachloroethene	8.15	164	211253	83.917	ug/l	99
65) Chlorobenzene	9.79	112	585059	92.214	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	229843	84.571	ug/l	95
67) Ethyl Benzene	9.90	91	1024698	86.520	ug/l	97
68) m/p-Xylenes	10.13	106	694206	162.409	ug/l	93
69) o-Xylene	10.71	106	407515	86.619	ug/l	89
70) Styrene	10.79	104	533904	82.449	ug/l	99
71) Bromoform	10.77	173	112580	86.182	ug/l #	99
73) Isopropylbenzene	11.13	105	1127006	88.459	ug/l	99
74) N-amyl acetate	11.37	43	259916	89.267	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	185897	88.972	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	139105	90.911	ug/l	100
77) Bromobenzene	11.49	156	250052	90.733	ug/l	98
78) n-propylbenzene	11.60	91	1267336	84.895	ug/l	94
79) 2-Chlorotoluene	11.72	91	769320	89.766	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	915852	88.616	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	65623m	89.142	ug/l	
82) 4-Chlorotoluene	11.89	91	816971	90.918	ug/l	98
83) tert-Butylbenzene	12.13	119	930040	87.973	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	903541	88.439	ug/l	99
85) sec-Butylbenzene	12.31	105	1239543	86.498	ug/l	95
86) p-Isopropyltoluene	12.46	119	986690m	81.861	ug/l	
87) 1,3-Dichlorobenzene	12.48	146	439745	83.899	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	462862	90.564	ug/l	97
89) n-Butylbenzene	12.84	91	966040	79.635	ug/l	99
90) Hexachloroethane	12.92	117	271483	93.901	ug/l	71
91) 1,2-Dichlorobenzene	12.94	146	415499	83.339	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	38779	95.989	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	314339	90.159	ug/l	93
94) Hexachlorobutadiene	14.19	225	208330	89.752	ug/l	96
95) Naphthalene	14.45	128	623991	81.532	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	299388	91.261	ug/l	97

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

