

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061074.D
 Acq On : 18 Dec 2018 21:18
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00G/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 12/20/2018 10:29:06 AM

Quant Time: Dec 19 05:57:54 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	203163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	352816	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	317601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	156111	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	381608	159.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.52%	
35) Dibromofluoromethane	4.11	113	389689	141.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	283.68%	
50) Toluene-d8	7.55	98	1058348	130.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	260.96%	
62) 4-Bromofluorobenzene	11.41	95	493004	134.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	268.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	606779	183.986	ug/l	97
3) Chloromethane	1.10	50	371491	175.759	ug/l	100
4) Vinyl Chloride	1.14	62	338808	173.194	ug/l	89
5) Bromomethane	1.33	94	223198	164.100	ug/l	99
6) Chloroethane	1.39	64	146232	173.420	ug/l	89
7) Trichlorofluoromethane	1.49	101	641366	158.136	ug/l	100
8) Diethyl Ether	1.63	74	86208	148.498	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.83	101	306484	149.661	ug/l	95
10) Methyl Iodide	1.90	142	525993m	167.655	ug/l	
11) Tert butyl alcohol	2.58	59	78074	788.308	ug/l	99
12) 1,1-Dichloroethene	1.79	96	247118	150.159	ug/l	95
13) Acrolein	2.00	56	49695	577.912	ug/l	86
14) Allyl chloride	2.09	41	247085	128.742	ug/l	95
15) Acrylonitrile	2.95	53	179248	790.765	ug/l	95
16) Acetone	2.24	43	325589	710.661	ug/l	96
17) Carbon Disulfide	1.83	76	755354	167.373	ug/l	98
18) Methyl Acetate	2.34	43	137331	161.872	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	555531	151.171	ug/l	99
20) Methylene Chloride	2.25	84	230231m	146.711	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	256507m	161.630	ug/l	
22) Diisopropyl ether	2.80	45	887537	159.661	ug/l	95
23) Vinyl Acetate	3.18	43	1892615	741.821	ug/l	100
24) 1,1-Dichloroethane	2.87	63	489414	148.195	ug/l	98
25) 2-Butanone	4.34	43	535516	690.990	ug/l	95
26) 2,2-Dichloropropane	3.60	77	282056	135.029	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	374625	145.641	ug/l	98
28) Bromochloromethane	3.72	49	244957	151.096	ug/l	98
29) Tetrahydrofuran	4.07	42	226707	693.632	ug/l	98
30) Chloroform	3.85	83	725353	142.253	ug/l	100
31) Cyclohexane	3.69	56	540481m	156.037	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	456419	135.226	ug/l	96
36) 1,1-Dichloropropene	4.28	75	557724	141.168	ug/l	98
37) Ethyl Acetate	4.11	43	223470	140.024	ug/l #	93
38) Carbon Tetrachloride	3.98	117	444145	132.771	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.45	83	581275m	141.535	ug/l	
40) Benzene	4.63	78	1217666	140.110	ug/l	96
41) Methacrylonitrile	4.75	41	122410	129.565	ug/l	96
42) 1,2-Dichloroethane	4.94	62	474533	149.764	ug/l	96
43) Isopropyl Acetate	6.96	43	311971	145.735	ug/l #	97
44) Trichloroethene	5.50	130	365309	128.878	ug/l	99
45) 1,2-Dichloropropane	6.23	63	315522	140.346	ug/l	97
46) Dibromomethane	6.08	93	221623	145.541	ug/l	97
47) Bromodichloromethane	6.38	83	577969	142.556	ug/l	99
48) Methyl methacrylate	6.71	41	210327	147.004	ug/l	96
49) 1,4-Dioxane	6.70	88	28549	2759.675	ug/l #	90
51) 4-Methyl-2-Pentanone	8.25	43	858999	590.867	ug/l	100
52) Toluene	7.62	92	792388	130.220	ug/l	93
53) t-1,3-Dichloropropene	8.28	75	426886	130.413	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	537283	133.009	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	245320	140.100	ug/l	95
56) Ethyl methacrylate	8.62	69	285461	147.837	ug/l	99
57) 1,3-Dichloropropane	8.85	76	451509	146.908	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	250402	1095.304	ug/l	94
59) 2-Hexanone	9.50	43	643946	626.802	ug/l	99
60) Dibromochloromethane	8.72	129	368517	140.909	ug/l	98
61) 1,2-Dibromoethane	8.98	107	277344	145.708	ug/l	96
64) Tetrachloroethene	8.15	164	351987	144.583	ug/l	97
65) Chlorobenzene	9.80	112	887536	144.653	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	357701	136.100	ug/l	97
67) Ethyl Benzene	9.90	91	1518380	132.571	ug/l	94
68) m/p-Xylenes	10.14	106	1116210	270.031	ug/l	85
69) o-Xylene	10.71	106	613306	134.801	ug/l	86
70) Styrene	10.79	104	856552	136.780	ug/l	98
71) Bromoform	10.77	173	184872	146.343	ug/l #	98
73) Isopropylbenzene	11.12	105	1640337	131.221	ug/l	96
74) N-amyl acetate	11.37	43	429084	150.195	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	292770	142.810	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	231538	154.223	ug/l	97
77) Bromobenzene	11.50	156	375549	138.885	ug/l	84
78) n-propylbenzene	11.60	91	1855201	126.658	ug/l	91
79) 2-Chlorotoluene	11.73	91	1126500	133.964	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	1342515	132.391	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	120182m	166.388	ug/l	
82) 4-Chlorotoluene	11.90	91	1229255	139.424	ug/l	94
83) tert-Butylbenzene	12.13	119	1339325	129.118	ug/l	94
84) 1,2,4-Trimethylbenzene	12.21	105	1377354	137.403	ug/l	92
85) sec-Butylbenzene	12.31	105	1875750	133.405	ug/l	92
86) p-Isopropyltoluene	12.46	119	1455311	123.056	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	654402	127.249	ug/l	93
88) 1,4-Dichlorobenzene	12.56	146	703605	140.310	ug/l	94
89) n-Butylbenzene	12.84	91	1444499	121.362	ug/l	96
90) Hexachloroethane	12.92	117	414879	146.252	ug/l	74
91) 1,2-Dichlorobenzene	12.94	146	659125	134.741	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	66445	167.625	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	461532	134.917	ug/l	94
94) Hexachlorobutadiene	14.19	225	320318	140.646	ug/l	98
95) Naphthalene	14.46	128	1011917	134.755	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	463374	143.958	ug/l	96

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

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