

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112618\
 Data File : VF060830.D
 Acq On : 26 Nov 2018 18:59
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 11/27/2018 3:16:59 PM

Quant Time: Nov 27 01:01:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 00:28:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	189346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	306713	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.81	117	294102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	152348	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	157253	71.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	143.40%	
35) Dibromofluoromethane	4.15	113	164362	69.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	138.68%	
50) Toluene-d8	7.59	98	503288	72.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	145.20%	
62) 4-Bromofluorobenzene	11.44	95	219246	68.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	136.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	193511	59.204	ug/l	98
3) Chloromethane	1.11	50	120556	60.079	ug/l	97
4) Vinyl Chloride	1.15	62	115274	63.169	ug/l	96
5) Bromomethane	1.35	94	79713	67.457	ug/l	99
6) Chloroethane	1.40	64	52543	73.575	ug/l	93
7) Trichlorofluoromethane	1.50	101	265826m	66.203	ug/l	
8) Diethyl Ether	1.64	74	36162	68.938	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.84	101	126446	65.623	ug/l	92
10) Methyl Iodide	1.93	142	195971m	63.842	ug/l	
11) Tert butyl alcohol	2.59	59	34518	356.492	ug/l	96
12) 1,1-Dichloroethene	1.81	96	99859	65.093	ug/l	99
13) Acrolein	2.02	56	28659	313.035	ug/l	96
14) Allyl chloride	2.12	41	122882	46.016	ug/l	93
15) Acrylonitrile	2.96	53	67240	325.066	ug/l	97
16) Acetone	2.25	43	137679	311.062	ug/l	96
17) Carbon Disulfide	1.84	76	273140m	60.662	ug/l	
18) Methyl Acetate	2.36	43	50086	67.749	ug/l	99
19) Methyl tert-butyl Ether	2.45	73	231283	63.901	ug/l	98
20) Methylene Chloride	2.27	84	92429m	54.239	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	101682m	65.083	ug/l	
22) Diisopropyl ether	2.83	45	360289	69.757	ug/l	100
23) Vinyl Acetate	3.21	43	889222	369.873	ug/l	97
24) 1,1-Dichloroethane	2.89	63	213071	67.479	ug/l	99
25) 2-Butanone	4.36	43	239424	320.689	ug/l	99
26) 2,2-Dichloropropane	3.62	77	131555	54.776	ug/l	99
27) cis-1,2-Dichloroethene	3.51	96	162528	61.226	ug/l	96
28) Bromochloromethane	3.75	49	100471	63.040	ug/l	95
29) Tetrahydrofuran	4.11	42	101295	328.364	ug/l	94
30) Chloroform	3.89	83	306599	62.061	ug/l	96
31) Cyclohexane	3.72	56	219632m	59.361	ug/l	
32) 1,1,1-Trichloroethane	4.13	97	219779m	56.670	ug/l	
36) 1,1-Dichloropropene	4.32	75	227569	64.302	ug/l	96
37) Ethyl Acetate	4.15	43	95506	71.516	ug/l	98
38) Carbon Tetrachloride	4.02	117	190444	55.330	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	251729m	62.396	ug/l	
40) Benzene	4.67	78	507138	64.448	ug/l	98
41) Methacrylonitrile	4.78	41	52764	65.980	ug/l	94
42) 1,2-Dichloroethane	4.98	62	188521	67.940	ug/l	97
43) Isopropyl Acetate	6.99	43	125636	70.515	ug/l #	98
44) Trichloroethene	5.54	130	162802	64.798	ug/l	94
45) 1,2-Dichloropropane	6.27	63	140938	67.620	ug/l	94
46) Dibromomethane	6.12	93	95259	69.747	ug/l	95
47) Bromodichloromethane	6.42	83	251088	72.110	ug/l	98
48) Methyl methacrylate	6.75	41	88148	73.946	ug/l	92
49) 1,4-Dioxane	6.74	88	14643	1346.029	ug/l	87
51) 4-Methyl-2-Pentanone	8.29	43	438465	343.852	ug/l	100
52) Toluene	7.66	92	349841	66.229	ug/l	99
53) t-1,3-Dichloropropene	8.31	75	194258	68.808	ug/l	99
54) cis-1,3-Dichloropropene	7.33	75	247263	66.993	ug/l	98
55) 1,1,2-Trichloroethane	8.53	97	104743	68.759	ug/l	95
56) Ethyl methacrylate	8.66	69	123167	70.419	ug/l	97
57) 1,3-Dichloropropane	8.89	76	193460	72.021	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.33	63	66717	419.740	ug/l	99
59) 2-Hexanone	9.52	43	301132	334.284	ug/l	100
60) Dibromochloromethane	8.75	129	161635	73.383	ug/l	98
61) 1,2-Dibromoethane	9.02	107	116153	72.249	ug/l	91
64) Tetrachloroethene	8.19	164	155189	68.702	ug/l	96
65) Chlorobenzene	9.83	112	378518	64.144	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.97	131	166000	65.695	ug/l	96
67) Ethyl Benzene	9.94	91	736058	66.599	ug/l	96
68) m/p-Xylenes	10.16	106	512844	130.303	ug/l	99
69) o-Xylene	10.75	106	284337	64.502	ug/l	96
70) Styrene	10.82	104	371885	61.789	ug/l	96
71) Bromoform	10.81	173	86145	75.034	ug/l	93
73) Isopropylbenzene	11.15	105	802665	65.746	ug/l	97
74) N-amyl acetate	11.40	43	191817	68.089	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.72	83	136609	67.906	ug/l	100
76) 1,2,3-Trichloropropane	11.82	75	97650	64.598	ug/l	96
77) Bromobenzene	11.53	156	175854	67.969	ug/l	90
78) n-propylbenzene	11.62	91	924379	64.081	ug/l	94
79) 2-Chlorotoluene	11.74	91	525874	63.431	ug/l	99
80) 1,3,5-Trimethylbenzene	11.85	105	639525	65.687	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	48331m	65.936	ug/l	
82) 4-Chlorotoluene	11.92	91	562007	65.973	ug/l	99
83) tert-Butylbenzene	12.16	119	639897	62.835	ug/l	97
84) 1,2,4-Trimethylbenzene	12.23	105	626967	62.147	ug/l	99
85) sec-Butylbenzene	12.34	105	886908	63.677	ug/l	95
86) p-Isopropyltoluene	12.48	119	748030	64.695	ug/l	98
87) 1,3-Dichlorobenzene	12.50	146	324270	63.873	ug/l	99
88) 1,4-Dichlorobenzene	12.59	146	331155	68.086	ug/l	98
89) n-Butylbenzene	12.87	91	739423	61.697	ug/l	97
90) Hexachloroethane	12.94	117	186072	65.689	ug/l	96
91) 1,2-Dichlorobenzene	12.97	146	313498	65.136	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.67	75	28179	74.581	ug/l	93

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93) 1,2,4-Trichlorobenzene	14.22	180	221455	65.004	ug/l	98
94) Hexachlorobutadiene	14.21	225	149663	67.714	ug/l	98
95) Naphthalene	14.48	128	462676	74.248	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	214946	68.868	ug/l	97

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

