

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112618\
 Data File : VF060831.D
 Acq On : 26 Nov 2018 19:28
 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
 11/27/2018 3:17:06 PM

Quant Time: Nov 27 01:08:30 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	192006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.64	114	328753	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	304560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.58	152	160554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.89	65	242170	108.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.76%	
35) Dibromofluoromethane	4.16	113	250124	98.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.90%	
50) Toluene-d8	7.59	98	736208	99.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.16%	
62) 4-Bromofluorobenzene	11.44	95	333603	96.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	276353	83.378	ug/l	100
3) Chloromethane	1.11	50	169613	83.356	ug/l	99
4) Vinyl Chloride	1.16	62	166447	89.948	ug/l	97
5) Bromomethane	1.34	94	114088	95.209	ug/l	97
6) Chloroethane	1.40	64	69268	95.650	ug/l	98
7) Trichlorofluoromethane	1.49	101	354945	87.173	ug/l	91
8) Diethyl Ether	1.64	74	49539	93.131	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.85	101	178530	91.370	ug/l	96
10) Methyl Iodide	1.92	142	284929m	91.536	ug/l	
11) Tert butyl alcohol	2.59	59	45285	461.212	ug/l	96
12) 1,1-Dichloroethene	1.81	96	145081	93.261	ug/l	93
13) Acrolein	2.03	56	46110	496.670	ug/l	91
14) Allyl chloride	2.12	41	180735m	66.743	ug/l	
15) Acrylonitrile	2.97	53	101937	485.978	ug/l	96
16) Acetone	2.26	43	188384	419.725	ug/l	97
17) Carbon Disulfide	1.85	76	388521	85.092	ug/l	98
18) Methyl Acetate	2.37	43	69873	93.204	ug/l	97
19) Methyl tert-butyl Ether	2.45	73	340531	92.782	ug/l	97
20) Methylene Chloride	2.21	84	135272m	78.280	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	143482	90.565	ug/l	99
22) Diisopropyl ether	2.83	45	497766	95.039	ug/l	97
23) Vinyl Acetate	3.22	43	1191477	488.730	ug/l	98
24) 1,1-Dichloroethane	2.91	63	312266	97.524	ug/l	99
25) 2-Butanone	4.38	43	335450	443.084	ug/l	98
26) 2,2-Dichloropropane	3.64	77	186893	76.740	ug/l	100
27) cis-1,2-Dichloroethene	3.51	96	232236	86.274	ug/l	97
28) Bromochloromethane	3.75	49	136157	84.248	ug/l	91
29) Tetrahydrofuran	4.11	42	136250	435.557	ug/l	97
30) Chloroform	3.90	83	431747	86.183	ug/l	100
31) Cyclohexane	3.73	56	291590m	77.717	ug/l	
32) 1,1,1-Trichloroethane	4.14	97	300885	76.509	ug/l	98
36) 1,1-Dichloropropene	4.33	75	318688	84.012	ug/l	99
37) Ethyl Acetate	4.16	43	130118	90.901	ug/l	90
38) Carbon Tetrachloride	4.03	117	288250	78.131	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	336930	77.916	ug/l	97
40) Benzene	4.67	78	691073	81.935	ug/l	99
41) Methacrylonitrile	4.79	41	72577	84.671	ug/l	90
42) 1,2-Dichloroethane	4.99	62	280995	94.477	ug/l	97
43) Isopropyl Acetate	6.99	43	174543	91.397	ug/l	97
44) Trichloroethene	5.54	130	226290	84.030	ug/l	94
45) 1,2-Dichloropropane	6.28	63	191538	85.736	ug/l	97
46) Dibromomethane	6.12	93	139759	95.469	ug/l	96
47) Bromodichloromethane	6.43	83	350845	94.004	ug/l	99
48) Methyl methacrylate	6.75	41	123908	96.976	ug/l	96
49) 1,4-Dioxane	6.74	88	18512	1587.596	ug/l #	85
51) 4-Methyl-2-Pentanone	8.29	43	597719	437.317	ug/l	99
52) Toluene	7.67	92	493942	87.241	ug/l	99
53) t-1,3-Dichloropropene	8.32	75	272688	90.113	ug/l	98
54) cis-1,3-Dichloropropene	7.34	75	347391	87.811	ug/l	97
55) 1,1,2-Trichloroethane	8.53	97	153281	93.876	ug/l	97
56) Ethyl methacrylate	8.66	69	168632	89.950	ug/l	99
57) 1,3-Dichloropropane	8.89	76	269468	93.592	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.33	63	87689	514.697	ug/l	99
59) 2-Hexanone	9.52	43	411995	426.690	ug/l	96
60) Dibromochloromethane	8.75	129	232073	98.299	ug/l	98
61) 1,2-Dibromoethane	9.02	107	169027	98.089	ug/l	94
64) Tetrachloroethene	8.19	164	210599	90.031	ug/l	98
65) Chlorobenzene	9.84	112	554027	90.663	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.97	131	229415	87.674	ug/l	97
67) Ethyl Benzene	9.94	91	991088	86.595	ug/l	95
68) m/p-Xylenes	10.17	106	661766	162.368	ug/l	95
69) o-Xylene	10.75	106	383614	84.035	ug/l	94
70) Styrene	10.83	104	542852	87.098	ug/l	99
71) Bromoform	10.81	173	123562	103.929	ug/l	96
73) Isopropylbenzene	11.15	105	1092130	84.884	ug/l	96
74) N-amyl acetate	11.40	43	272933	91.931	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.72	83	190634	89.918	ug/l	99
76) 1,2,3-Trichloropropane	11.82	75	137692	86.431	ug/l	96
77) Bromobenzene	11.53	156	251940	92.400	ug/l	89
78) n-propylbenzene	11.63	91	1226826	80.701	ug/l	94
79) 2-Chlorotoluene	11.75	91	723942	82.860	ug/l	97
80) 1,3,5-Trimethylbenzene	11.85	105	868768	84.672	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	63928m	82.756	ug/l	
82) 4-Chlorotoluene	11.93	91	767485	85.489	ug/l	93
83) tert-Butylbenzene	12.16	119	871041	81.161	ug/l	94
84) 1,2,4-Trimethylbenzene	12.23	105	889318	83.647	ug/l	100
85) sec-Butylbenzene	12.34	105	1202373	81.914	ug/l	95
86) p-Isopropyltoluene	12.48	119	1000527	82.110	ug/l	96
87) 1,3-Dichlorobenzene	12.50	146	446419	83.439	ug/l	97
88) 1,4-Dichlorobenzene	12.59	146	459145	89.576	ug/l	96
89) n-Butylbenzene	12.87	91	1010806	80.030	ug/l	95
90) Hexachloroethane	12.95	117	255345	85.537	ug/l	76
91) 1,2-Dichlorobenzene	12.97	146	430540	84.882	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.67	75	39343	98.807	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	313963	87.448	ug/l	96
94) Hexachlorobutadiene	14.21	225	213731	91.759	ug/l	99
95) Naphthalene	14.48	128	654366	99.642	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	313556	95.328	ug/l	99

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

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