Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
Data File : VF061068.D
Acq On : 18 Dec 2018 18:25
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00G/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : VSTDICC005

Manual Integrations APPROVED
apatel
12/20/2018 10:28:37 AM

Quant Time: Dec 20 00:47:26 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	217882	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	5.60	114	357355	50.00	ug/l		0.00
63) Chlorobenzene-d5	9.77	117	332955	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	170378	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	4.85	65	13694	5.35	ug/l		0.00
Spiked Amount 50.000			Recovery = 10.70%				
35) Dibromofluoromethane	4.11	113	14592	5.24	ug/l		0.00
Spiked Amount 50.000			Recovery = 10.48%				
50) Toluene-d8	7.55	98	41923	5.10	ug/l		0.00
Spiked Amount 50.000			Recovery = 10.20%				
62) 4-Bromofluorobenzene	11.41	95	19040	5.12	ug/l		0.00
Spiked Amount 50.000			Recovery = 10.24%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.96	85	25707	7.268	ug/l		89
3) Chloromethane	1.10	50	13906m	6.135	ug/l		
4) Vinyl Chloride	1.14	62	13542	6.455	ug/l	#	87
5) Bromomethane	1.34	94	9122	6.254	ug/l	#	80
6) Chloroethane	1.40	64	6406	7.084	ug/l		97
7) Trichlorofluoromethane	1.48	101	23950m	5.506	ug/l		
8) Diethyl Ether	1.63	74	3577	5.745	ug/l		93
9) 1,1,2-Trichlorotrifluoroet	1.84	101	12838	5.845	ug/l	#	80
10) Methyl Iodide	1.92	142	20860m	6.200	ug/l		
11) Tert butyl alcohol	2.57	59	2851	26.842	ug/l	#	72
12) 1,1-Dichloroethene	1.80	96	9612	5.446	ug/l		88
13) Acrolein	2.00	56	2043m	22.153	ug/l		
14) Allyl chloride	2.10	41	11717	5.693	ug/l		91
15) Acrylonitrile	2.95	53	6711	27.606	ug/l	#	91
16) Acetone	2.24	43	15382	31.306	ug/l	#	83
17) Carbon Disulfide	1.82	76	28622m	5.914	ug/l		
18) Methyl Acetate	2.35	43	6396	7.030	ug/l	#	86
19) Methyl tert-butyl Ether	2.43	73	20749	5.265	ug/l		98
20) Methylene Chloride	2.25	84	13730m	8.158	ug/l		
21) trans-1,2-Dichloroethene	2.30	96	11686m	6.866	ug/l		
22) Diisopropyl ether	2.80	45	32281	5.415	ug/l		99
23) Vinyl Acetate	3.19	43	77002	28.142	ug/l		97
24) 1,1-Dichloroethane	2.87	63	20263	5.721	ug/l		96
25) 2-Butanone	4.36	43	25716	30.940	ug/l	#	90
26) 2,2-Dichloropropane	3.60	77	12504	5.582	ug/l		89
27) cis-1,2-Dichloroethene	3.47	96	16645	6.034	ug/l		97
28) Bromochloromethane	3.72	49	9980	5.740	ug/l		91
29) Tetrahydrofuran	4.08	42	10659	30.409	ug/l	#	91
30) Chloroform	3.85	83	30831	5.638	ug/l		92
31) Cyclohexane	3.69	56	21423m	5.767	ug/l		
32) 1,1,1-Trichloroethane	4.10	97	17807	4.919	ug/l	#	87
36) 1,1-Dichloropropene	4.27	75	26425	6.604	ug/l		88
37) Ethyl Acetate	4.11	43	12172	7.530	ug/l		100
38) Carbon Tetrachloride	3.99	117	17575	5.187	ug/l		95

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methylcyclohexane	5.45	83	20774m	4.994	ug/l		
40) Benzene	4.63	78	53808	6.113	ug/l		95
41) Methacrylonitrile	4.74	41	5163	5.395	ug/l		90
42) 1,2-Dichloroethane	4.94	62	17593	5.482	ug/l		95
43) Isopropyl Acetate	6.97	43	10868	5.012	ug/l	#	85
44) Trichloroethene	5.50	130	16196	5.641	ug/l		98
45) 1,2-Dichloropropane	6.24	63	13341	5.859	ug/l		95
46) Dibromomethane	6.08	93	8883	5.759	ug/l		97
47) Bromodichloromethane	6.39	83	22287	5.427	ug/l		98
48) Methyl methacrylate	6.71	41	7758	5.353	ug/l		94
49) 1,4-Dioxane	6.71	88	1238	118.151	ug/l	#	1
51) 4-Methyl-2-Pentanone	8.26	43	40545	27.535	ug/l		96
52) Toluene	7.62	92	32983	5.352	ug/l		95
53) t-1,3-Dichloropropene	8.27	75	19299	5.821	ug/l		93
54) cis-1,3-Dichloropropene	7.31	75	21978	5.372	ug/l	#	89
55) 1,1,2-Trichloroethane	8.49	97	9930	5.599	ug/l		90
56) Ethyl methacrylate	8.62	69	10404	5.320	ug/l		98
57) 1,3-Dichloropropane	8.85	76	19180	6.161	ug/l	#	87
58) 2-Chloroethyl Vinyl ether	7.30	63	8331	35.978	ug/l		90
59) 2-Hexanone	9.50	43	30710	29.513	ug/l		98
60) Dibromochloromethane	8.72	129	13273	5.011	ug/l		97
61) 1,2-Dibromoethane	8.98	107	10315	5.350	ug/l		85
64) Tetrachloroethene	8.14	164	14037	5.500	ug/l		90
65) Chlorobenzene	9.80	112	38294	5.953	ug/l		91
66) 1,1,1,2-Tetrachloroethane	9.93	131	15463	5.612	ug/l		93
67) Ethyl Benzene	9.90	91	70875	5.903	ug/l		95
68) m/p-Xylenes	10.13	106	52322	12.074	ug/l		92
69) o-Xylene	10.71	106	27497	5.765	ug/l		96
70) Styrene	10.79	104	39758	6.056	ug/l		94
71) Bromoform	10.77	173	6949	5.247	ug/l	#	88
73) Isopropylbenzene	11.12	105	85976	6.302	ug/l		97
74) N-amyl acetate	11.37	43	18373	5.893	ug/l	#	94
75) 1,1,2,2-Tetrachloroethane	11.69	83	12938	5.783	ug/l		97
76) 1,2,3-Trichloropropane	11.79	75	10217	6.235	ug/l		95
77) Bromobenzene	11.50	156	17873	6.056	ug/l		86
78) n-propylbenzene	11.60	91	99616	6.231	ug/l		100
79) 2-Chlorotoluene	11.71	91	58474	6.371	ug/l		92
80) 1,3,5-Trimethylbenzene	11.82	105	68223	6.164	ug/l		100
81) trans-1,4-Dichloro-2-buten	11.86	75	3916m	4.968	ug/l		
82) 4-Chlorotoluene	11.90	91	61157	6.356	ug/l		92
83) tert-Butylbenzene	12.13	119	73892	6.527	ug/l		99
84) 1,2,4-Trimethylbenzene	12.21	105	73581	6.726	ug/l		97
85) sec-Butylbenzene	12.31	105	96112	6.263	ug/l		98
86) p-Isopropyltoluene	12.46	119	76592	5.934	ug/l		97
87) 1,3-Dichlorobenzene	12.47	146	36323	6.472	ug/l		97
88) 1,4-Dichlorobenzene	12.56	146	33407	6.104	ug/l		97
89) n-Butylbenzene	12.84	91	81732	6.292	ug/l		90
90) Hexachloroethane	12.92	117	18695	6.038	ug/l		99
91) 1,2-Dichlorobenzene	12.94	146	32002	5.994	ug/l		85
92) 1,2-Dibromo-3-Chloropropan	13.65	75	2207	5.102	ug/l		84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	22662	6.070	ug/l	89
94) Hexachlorobutadiene	14.19	225	13962	5.617	ug/l	99
95) Naphthalene	14.46	128	38005	4.637	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	19792	5.634	ug/l	91

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

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