Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
Data File : VF060790.D
Acq On : 19 Nov 2018 21:56
Operator : VA/AP
Sample : J5950-09MSD
Misc : 6.29g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : SSI-21-TW-2

Quant Time: Nov 20 02:20:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	5626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	5864	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	3263	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	572	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	765	11.92	ug/l	-0.01
Spiked Amount 50.000			Recovery = 23.84%			
35) Dibromofluoromethane	4.11	113	1084	24.59	ug/l	-0.02
Spiked Amount 50.000			Recovery = 49.18%			
50) Toluene-d8	7.56	98	5322	46.82	ug/l	0.00
Spiked Amount 50.000			Recovery = 93.64%			
62) 4-Bromofluorobenzene	11.43	95	2059	38.55	ug/l	0.01
Spiked Amount 50.000			Recovery = 77.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	4421	43.909	ug/l #	67
3) Chloromethane	1.07	50	3196	51.183	ug/l	94
4) Vinyl Chloride	1.12	62	3706	66.346	ug/l #	76
5) Bromomethane	1.30	94	2146	60.481	ug/l	91
6) Chloroethane	1.36	64	1762	80.623	ug/l	91
7) Trichlorofluoromethane	1.45	101	8527	69.032	ug/l	96
8) Diethyl Ether	1.63	74	352	22.241	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.81	101	4738	81.396	ug/l #	82
10) Methyl Iodide	1.87	142	4174	44.692	ug/l #	66
12) 1,1-Dichloroethene	1.76	96	3647	79.457	ug/l #	70
13) Acrolein	2.02	56	76	28.461	ug/l #	14
14) Allyl chloride	2.11	41	3451	42.918	ug/l	93
16) Acetone	2.26	43	812	59.200	ug/l #	65
17) Carbon Disulfide	1.78	76	10472	75.488	ug/l #	86
18) Methyl Acetate	2.35	43	194	8.614	ug/l #	64
19) Methyl tert-butyl Ether	2.42	73	1059	9.617	ug/l #	6
20) Methylene Chloride	2.19	84	1563	33.334	ug/l #	58
21) trans-1,2-Dichloroethene	2.32	96	2712	56.554	ug/l #	63
22) Diisopropyl ether	2.78	45	3038	19.570	ug/l #	84
23) Vinyl Acetate	3.20	43	212	2.900	ug/l #	77
24) 1,1-Dichloroethane	2.88	63	3554	37.814	ug/l #	88
25) 2-Butanone	4.32	43	156	6.915	ug/l #	56
26) 2,2-Dichloropropane	3.61	77	2077	28.083	ug/l #	60
27) cis-1,2-Dichloroethene	3.48	96	1680	20.594	ug/l	95
28) Bromochloromethane	3.72	49	814	16.665	ug/l #	72
29) Tetrahydrofuran	4.07	42	188	20.202	ug/l #	36
30) Chloroform	3.87	83	3613	23.959	ug/l	96
31) Cyclohexane	3.71	56	5788	50.741	ug/l #	92
32) 1,1,1-Trichloroethane	4.12	97	5366	45.187	ug/l #	82
36) 1,1-Dichloropropene	4.31	75	5157	75.829	ug/l	96
37) Ethyl Acetate	4.12	43	146	5.774	ug/l #	1
38) Carbon Tetrachloride	4.01	117	5292	80.195	ug/l #	72
39) Methylcyclohexane	5.47	83	4828	61.192	ug/l	92
40) Benzene	4.64	78	7330	48.351	ug/l #	84

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.74	41	202	11.665 ug/l	#	51
42) 1,2-Dichloroethane	4.96	62	739	14.106 ug/l		77
43) Isopropyl Acetate	6.98	43	331	9.874 ug/l	#	48
44) Trichloroethene	5.52	130	2967	62.032 ug/l		90
45) 1,2-Dichloropropane	6.26	63	1322	33.512 ug/l		95
46) Dibromomethane	6.08	93	130	4.992 ug/l	#	64
47) Bromodichloromethane	6.39	83	1355	20.377 ug/l	#	97
48) Methyl methacrylate	6.71	41	303	13.657 ug/l	#	17
51) 4-Methyl-2-Pentanone	8.23	43	675	27.840 ug/l	#	38
52) Toluene	7.63	92	5004	49.256 ug/l		95
53) t-1,3-Dichloropropene	8.28	75	128	2.403 ug/l	#	44
54) cis-1,3-Dichloropropene	7.31	75	1265	18.285 ug/l	#	63
55) 1,1,2-Trichloroethane	8.51	97	350	12.058 ug/l	#	88
56) Ethyl methacrylate	8.63	69	353	10.708 ug/l	#	71
57) 1,3-Dichloropropane	8.86	76	662	13.160 ug/l		95
58) 2-Chloroethyl Vinyl ether	7.63	63	552	183.307 ug/l		100
59) 2-Hexanone	9.46	43	95	5.575 ug/l	#	28
60) Dibromochloromethane	8.72	129	913	22.070 ug/l		69
61) 1,2-Dibromoethane	8.99	107	149	4.881 ug/l		92
64) Tetrachloroethene	8.16	164	2697	104.376 ug/l	#	82
65) Chlorobenzene	9.80	112	3291	49.981 ug/l	#	86
66) 1,1,1,2-Tetrachloroethane	9.94	131	1220	42.480 ug/l		80
67) Ethyl Benzene	9.91	91	9768	78.702 ug/l		94
68) m/p-Xylenes	10.15	106	5968	134.551 ug/l		93
69) o-Xylene	10.72	106	2200	44.117 ug/l		97
70) Styrene	10.80	104	940	13.889 ug/l	#	67
71) Bromoform	10.78	173	163	12.621 ug/l	#	37
73) Isopropylbenzene	11.13	105	11014	239.216 ug/l		97
74) N-amyl acetate	11.44	43	1272	121.357 ug/l	#	6
75) 1,1,2,2-Tetrachloroethane	11.70	83	1038	136.362 ug/l	#	89
76) 1,2,3-Trichloropropane	11.79	75	132	23.349 ug/l	#	1
77) Bromobenzene	11.51	156	678	70.745 ug/l		89
78) n-propylbenzene	11.60	91	8159	151.943 ug/l		85
79) 2-Chlorotoluene	11.72	91	5093	163.186 ug/l		94
80) 1,3,5-Trimethylbenzene	11.76	105	60	1.641 ug/l	#	27
81) trans-1,4-Dichloro-2-buten	11.91	75	82	29.524 ug/l	#	11
82) 4-Chlorotoluene	11.90	91	2863	89.545 ug/l		98
83) tert-Butylbenzene	12.14	119	5878	151.451 ug/l		93
84) 1,2,4-Trimethylbenzene	12.31	105	7857	207.834 ug/l	#	27
85) sec-Butylbenzene	12.31	105	7857	149.236 ug/l		93
86) p-Isopropyltoluene	12.47	119	489	11.121 ug/l	#	56
87) 1,3-Dichlorobenzene	12.49	146	901	47.241 ug/l	#	60
88) 1,4-Dichlorobenzene	12.56	146	781	42.607 ug/l	#	54
89) n-Butylbenzene	12.82	91	143	3.187 ug/l	#	26
90) Hexachloroethane	12.92	117	1707	158.718 ug/l		90
91) 1,2-Dichlorobenzene	12.95	146	222	12.362 ug/l	#	9
94) Hexachlorobutadiene	14.19	225	198	23.475 ug/l	#	55
95) Naphthalene	14.47	128	83	3.524 ug/l	#	69

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

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