Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050620\
Data File : VY002606.D
Acq On : 06 May 2020 11:42
Operator : SY/MD
Sample : L2182-01 2.5PPBLOD
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT2-2020

Manual Integrations APPROVED
MMDadoda
5/7/2020 10:35:26 AM

Quant Time: May 06 13:01:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	7.82	168	380155	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.71	114	566247	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.50	117	509580	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	266622	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.16	65	157526	49.28	ug/l		0.00
Spiked Amount 50.000			Recovery = 98.56%				
35) Dibromofluoromethane	7.74	113	165023	50.96	ug/l		0.00
Spiked Amount 50.000			Recovery = 101.92%				
50) Toluene-d8	10.19	98	657451	51.99	ug/l		0.00
Spiked Amount 50.000			Recovery = 103.98%				
62) 4-Bromofluorobenzene	12.49	95	223058	51.98	ug/l		0.00
Spiked Amount 50.000			Recovery = 103.96%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.91	85	7283	2.523	ug/l		98
3) Chloromethane	2.13	50	8978	2.915	ug/l		90
4) Vinyl Chloride	2.26	62	9524	2.678	ug/l		98
5) Bromomethane	2.66	94	7633	3.112	ug/l		89
6) Chloroethane	2.82	64	5825	2.743	ug/l		94
7) Trichlorofluoromethane	3.15	101	14723	2.671	ug/l		97
8) Diethyl Ether	3.55	74	5156	2.784	ug/l		99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	9340	2.773	ug/l		97
10) Methyl Iodide	4.13	142	10772	2.347	ug/l		98
11) Tert butyl alcohol	4.99	59	5315	16.162	ug/l	#	90
12) 1,1-Dichloroethene	3.90	96	9689	2.961	ug/l		88
13) Acrolein	3.75	56	2487	10.936	ug/l		97
14) Allyl chloride	4.52	41	13138	2.755	ug/l		99
15) Acrylonitrile	5.21	53	11562	13.236	ug/l		98
16) Acetone	3.97	43	8777	13.305	ug/l		93
17) Carbon Disulfide	4.22	76	26119	2.653	ug/l		97
18) Methyl Acetate	4.50	43	6763	3.068	ug/l		97
19) Methyl tert-butyl Ether	5.25	73	22117	2.590	ug/l		96
20) Methylene Chloride	4.75	84	13219	3.583	ug/l		93
21) trans-1,2-Dichloroethene	5.26	96	9967	2.787	ug/l		86
22) Diisopropyl ether	6.16	45	26321	2.728	ug/l		94
23) Vinyl Acetate	6.10	43	73868	12.174	ug/l		96
24) 1,1-Dichloroethane	6.05	63	15913	2.788	ug/l	#	95
25) 2-Butanone	7.02	43	14624	13.543	ug/l		96
26) 2,2-Dichloropropane	7.00	77	15650	2.885	ug/l		97
27) cis-1,2-Dichloroethene	7.02	96	10957	2.768	ug/l		94
28) Bromochloromethane	7.36	49	6053	2.588	ug/l		100
29) Tetrahydrofuran	7.38	42	10011	14.012	ug/l		96
30) Chloroform	7.53	83	16647	2.805	ug/l		98
31) Cyclohexane	7.80	56	20640	3.593	ug/l	#	63
32) 1,1,1-Trichloroethane	7.72	97	14637	2.654	ug/l		98
36) 1,1-Dichloropropene	7.93	75	13331	2.808	ug/l		98
37) Ethyl Acetate	7.10	43	6627	2.717	ug/l		97
38) Carbon Tetrachloride	7.92	117	13907	2.683	ug/l		98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methylcyclohexane	9.20	83	17671	2.818	ug/l		95
40) Benzene	8.18	78	38220	2.788	ug/l		94
41) Methacrylonitrile	7.34	41	3128m	2.385	ug/l		
42) 1,2-Dichloroethane	8.26	62	10403	2.705	ug/l		98
43) Isopropyl Acetate	8.29	43	11444	2.502	ug/l	#	84
44) Trichloroethene	8.96	130	12224	2.853	ug/l		97
45) 1,2-Dichloropropane	9.23	63	9216	2.785	ug/l		98
46) Dibromomethane	9.32	93	4992	2.622	ug/l		98
47) Bromodichloromethane	9.51	83	12322	2.662	ug/l		93
48) Methyl methacrylate	9.31	41	5295	2.558	ug/l		95
49) 1,4-Dioxane	9.31	88	1502	59.587	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.08	43	30628	12.994	ug/l		99
52) Toluene	10.25	92	24159	2.742	ug/l		100
53) t-1,3-Dichloropropene	10.47	75	12215	2.518	ug/l		98
54) cis-1,3-Dichloropropene	9.94	75	14690	2.620	ug/l		98
55) 1,1,2-Trichloroethane	10.66	97	7434	2.678	ug/l		93
56) Ethyl methacrylate	10.52	69	9330	2.526	ug/l		99
57) 1,3-Dichloropropane	10.80	76	12712	2.700	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.80	63	24867	12.768	ug/l		98
59) 2-Hexanone	10.84	43	20894	12.879	ug/l		99
60) Dibromochloromethane	10.99	129	8848	2.506	ug/l		98
61) 1,2-Dibromoethane	11.10	107	6970	2.536	ug/l		100
64) Tetrachloroethene	10.72	164	13962	3.084	ug/l		92
65) Chlorobenzene	11.52	112	27173	2.805	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.60	131	9121	2.537	ug/l		94
67) Ethyl Benzene	11.60	91	46668	2.743	ug/l		96
68) m/p-Xylenes	11.71	106	35857	5.446	ug/l		100
69) o-Xylene	12.03	106	16905	2.742	ug/l		97
70) Styrene	12.05	104	27760	2.634	ug/l		99
71) Bromoform	12.22	173	5830	2.612	ug/l	#	96
73) Isopropylbenzene	12.34	105	46449	2.688	ug/l		98
74) N-amyl acetate	12.15	43	10763	2.589	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.59	83	6778	2.466	ug/l		98
76) 1,2,3-Trichloropropane	12.64	75	6058m	2.557	ug/l		
77) Bromobenzene	12.61	156	12043	2.790	ug/l		98
78) n-propylbenzene	12.68	91	54493	2.717	ug/l		100
79) 2-Chlorotoluene	12.77	91	30384	2.735	ug/l		99
80) 1,3,5-Trimethylbenzene	12.81	105	38618	2.696	ug/l		97
81) trans-1,4-Dichloro-2-buten	12.39	75	3074m	2.602	ug/l		
82) 4-Chlorotoluene	12.86	91	32008	2.743	ug/l		99
83) tert-Butylbenzene	13.08	119	33863	2.696	ug/l		98
84) 1,2,4-Trimethylbenzene	13.13	105	39266	2.751	ug/l		97
85) sec-Butylbenzene	13.26	105	47933	2.750	ug/l		98
86) p-Isopropyltoluene	13.38	119	44245	2.710	ug/l		98
87) 1,3-Dichlorobenzene	13.38	146	22639	2.771	ug/l		98
88) 1,4-Dichlorobenzene	13.45	146	23560	2.912	ug/l		89
89) n-Butylbenzene	13.70	91	41341	2.781	ug/l		99
90) Hexachloroethane	13.97	117	8166	2.746	ug/l		100
91) 1,2-Dichlorobenzene	13.75	146	20826	2.856	ug/l		99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	1591	3.106	ug/l		92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	16936	3.199	ug/l	98
94) Hexachlorobutadiene	15.12	225	9381	2.952	ug/l	97
95) Naphthalene	15.25	128	31716	3.284	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	15537	3.458	ug/l	96

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

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