Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040221\
Data File : VY004253.D
Acq On : 02 Apr 2021 11:17
Operator : SY/MD
Sample : VY0402SBS01
Misc : 5.00g/5mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Manual Integrations APPROVED
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4/5/2021 4:47:10 PM

Quant Time: Apr 02 22:57:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 30 06:38:14 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	206715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	327039	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	288053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	133746	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	98395	49.51	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.02%			
35) Dibromofluoromethane	7.728	113	87643	48.10	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.20%			
50) Toluene-d8	10.185	98	337641	49.26	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.52%			
62) 4-Bromofluorobenzene	12.483	95	113962	48.52	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.04%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	36070	20.15	ug/l	97
3) Chloromethane	2.125	50	49716	20.57	ug/l	99
4) Vinyl Chloride	2.259	62	55273	20.52	ug/l	98
5) Bromomethane	2.656	94	25568	17.26	ug/l	98
6) Chloroethane	2.802	64	32877	18.83	ug/l	98
7) Trichlorofluoromethane	3.137	101	70407	20.12	ug/l	98
8) Diethyl Ether	3.546	74	24199	21.54	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.911	101	40457	21.23	ug/l	98
10) Methyl Iodide	4.107	142	41601	18.89	ug/l	100
11) Tert butyl alcohol	4.978	59	21859	135.18	ug/l	99
12) 1,1-Dichloroethene	3.887	96	38731	20.71	ug/l	99
13) Acrolein	3.747	56	16706	115.70	ug/l	98
14) Allyl chloride	4.491	41	71883	24.13	ug/l	94
15) Acrylonitrile	5.180	53	66480	124.36	ug/l	99
16) Acetone	3.960	43	45675	110.32	ug/l	99
17) Carbon Disulfide	4.210	76	104450	21.24	ug/l	100
18) Methyl Acetate	4.497	43	32046	24.18	ug/l	97
19) Methyl tert-butyl Ether	5.234	73	122504	22.18	ug/l	100
20) Methylene Chloride	4.734	84	48185	22.36	ug/l	95
21) trans-1,2-Dichloroethene	5.234	96	43374	20.66	ug/l	93
22) Diisopropyl ether	6.131	45	160189	24.48	ug/l	97
23) Vinyl Acetate	6.076	43	535010	121.56	ug/l	96
24) 1,1-Dichloroethane	6.033	63	80739	22.65	ug/l	99
25) 2-Butanone	7.002	43	83445	120.65	ug/l	96
26) 2,2-Dichloropropane	6.996	77	74992	22.48	ug/l	99
27) cis-1,2-Dichloroethene	7.002	96	50390	21.20	ug/l	94
28) Bromochloromethane	7.350	49	36672	25.31	ug/l	89
29) Tetrahydrofuran	7.362	42	60983	125.15	ug/l	94
30) Chloroform	7.521	83	81088	21.38	ug/l	100
31) Cyclohexane	7.795	56	78587	22.38	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	72357	20.85	ug/l	99
36) 1,1-Dichloropropene	7.929	75	62669	20.99	ug/l	99
37) Ethyl Acetate	7.088	43	41185	23.52	ug/l	98
38) Carbon Tetrachloride	7.911	117	56044	21.59	ug/l	96
39) Methylcyclohexane	9.191	83	77373	20.93	ug/l	96
40) Benzene	8.173	78	181092	21.40	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.319	41	16808m	17.32	ug/l		
42) 1,2-Dichloroethane	8.246	62	56561	21.27	ug/l		99
43) Isopropyl Acetate	8.283	43	81874	24.69	ug/l		97
44) Trichloroethene	8.947	130	50535	18.75	ug/l		92
45) 1,2-Dichloropropane	9.221	63	47683	22.80	ug/l		98
46) Dibromomethane	9.313	93	25444	20.69	ug/l		97
47) Bromodichloromethane	9.502	83	63401	21.61	ug/l		98
48) Methyl methacrylate	9.301	41	36954	24.54	ug/l		95
49) 1,4-Dioxane	9.307	88	5811	298.69	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.075	43	208114	123.18	ug/l		99
52) Toluene	10.246	92	115629	21.25	ug/l		99
53) t-1,3-Dichloropropene	10.471	75	69659	22.27	ug/l		96
54) cis-1,3-Dichloropropene	9.935	75	78255	22.39	ug/l		99
55) 1,1,2-Trichloroethane	10.654	97	35660	21.17	ug/l		98
56) Ethyl methacrylate	10.514	69	52615	22.76	ug/l		95
57) 1,3-Dichloropropane	10.794	76	64824	22.30	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.788	63	132214	133.69	ug/l		95
59) 2-Hexanone	10.837	43	138944	119.63	ug/l		97
60) Dibromochloromethane	10.989	129	42411	21.00	ug/l		99
61) 1,2-Dibromoethane	11.093	107	34756	20.90	ug/l		99
64) Tetrachloroethene	10.721	164	50725	17.90	ug/l		97
65) Chlorobenzene	11.520	112	120030	20.89	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.593	131	42417	20.61	ug/l		97
67) Ethyl Benzene	11.599	91	221593	21.24	ug/l		98
68) m/p-Xylenes	11.709	106	165680	41.36	ug/l		99
69) o-Xylene	12.032	106	77806	20.76	ug/l		100
70) Styrene	12.050	104	127210	20.40	ug/l		100
71) Bromoform	12.215	173	24351	20.78	ug/l	#	100
73) Isopropylbenzene	12.337	105	211999	21.70	ug/l		99
74) N-amyl acetate	12.148	43	71500	25.04	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.587	83	42134	23.30	ug/l		97
76) 1,2,3-Trichloropropane	12.642	75	25369m	20.89	ug/l		
77) Bromobenzene	12.617	156	47679	20.84	ug/l		94
78) n-propylbenzene	12.678	91	250879	22.19	ug/l		98
79) 2-Chlorotoluene	12.764	91	135271	21.78	ug/l		99
80) 1,3,5-Trimethylbenzene	12.818	105	171797	21.55	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.386	75	15896	24.12	ug/l		93
82) 4-Chlorotoluene	12.861	91	142455	21.79	ug/l		98
83) tert-Butylbenzene	13.081	119	148646	21.58	ug/l		98
84) 1,2,4-Trimethylbenzene	13.123	105	173989	21.76	ug/l		98
85) sec-Butylbenzene	13.257	105	206608	21.79	ug/l		99
86) p-Isopropyltoluene	13.373	119	187064	21.21	ug/l		99
87) 1,3-Dichlorobenzene	13.373	146	90804	21.28	ug/l		99
88) 1,4-Dichlorobenzene	13.452	146	88096	20.89	ug/l		97
89) n-Butylbenzene	13.702	91	178307	21.98	ug/l		99
90) Hexachloroethane	13.965	117	23535	32.96	ug/l		93
91) 1,2-Dichlorobenzene	13.745	146	79564	20.77	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	7250	21.48	ug/l		93
93) 1,2,4-Trichlorobenzene	15.013	180	56010	20.57	ug/l		98
94) Hexachlorobutadiene	15.117	225	28500	19.68	ug/l		98
95) Naphthalene	15.239	128	122941	21.29	ug/l		100
96) 1,2,3-Trichlorobenzene	15.428	180	50674	20.37	ug/l		97

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

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