Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040621\
Data File : VY004291.D
Acq On : 06 Apr 2021 10:29
Operator : SY/MD
Sample : VY0406SBS01
Misc : 5.00g/5mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Manual Integrations APPROVED
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4/7/2021 5:16:36 PM

Quant Time: Apr 07 00:56:26 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	186183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	295815	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	258536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	117187	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	86947	48.58	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.16%			
35) Dibromofluoromethane	7.728	113	78386	47.56	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.12%			
50) Toluene-d8	10.185	98	305569	49.29	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.58%			
62) 4-Bromofluorobenzene	12.483	95	102736	48.35	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	28543	17.70	ug/l	96
3) Chloromethane	2.119	50	43161	19.83	ug/l	98
4) Vinyl Chloride	2.259	62	58325	24.04	ug/l	94
5) Bromomethane	2.650	94	22821	17.10	ug/l	99
6) Chloroethane	2.802	64	28690	18.24	ug/l	95
7) Trichlorofluoromethane	3.137	101	62316	19.77	ug/l	99
8) Diethyl Ether	3.540	74	21163	20.92	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.911	101	36040	21.00	ug/l	97
10) Methyl Iodide	4.100	142	37064	18.69	ug/l	100
11) Tert butyl alcohol	4.978	59	17586	120.75	ug/l	100
12) 1,1-Dichloroethene	3.881	96	34006	20.19	ug/l	89
13) Acrolein	3.735	56	13908	104.98	ug/l	99
14) Allyl chloride	4.491	41	64071	23.88	ug/l	95
15) Acrylonitrile	5.180	53	53872	111.89	ug/l	99
16) Acetone	3.960	43	37620	100.89	ug/l	95
17) Carbon Disulfide	4.204	76	90830	20.51	ug/l	98
18) Methyl Acetate	4.491	43	26326	22.06	ug/l	96
19) Methyl tert-butyl Ether	5.234	73	101167	20.34	ug/l	99
20) Methylene Chloride	4.728	84	42911	22.08	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	37419	19.79	ug/l	94
22) Diisopropyl ether	6.131	45	138519	23.50	ug/l	98
23) Vinyl Acetate	6.070	43	441200	111.30	ug/l	97
24) 1,1-Dichloroethane	6.027	63	72184	22.48	ug/l	99
25) 2-Butanone	6.996	43	65948	105.87	ug/l	97
26) 2,2-Dichloropropane	6.990	77	65648	21.85	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	43745	20.43	ug/l	94
28) Bromochloromethane	7.344	49	34508	26.44	ug/l	89
29) Tetrahydrofuran	7.356	42	47758	108.82	ug/l	93
30) Chloroform	7.514	83	71619	20.96	ug/l	99
31) Cyclohexane	7.795	56	69429	21.95	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	64441	20.62	ug/l	99
36) 1,1-Dichloropropene	7.929	75	55466	20.54	ug/l	98
37) Ethyl Acetate	7.082	43	32993	20.83	ug/l	98
38) Carbon Tetrachloride	7.905	117	48921	20.83	ug/l	97
39) Methylcyclohexane	9.185	83	68118	20.37	ug/l	97
40) Benzene	8.167	78	158457	20.70	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.325	41	17772m	20.25	ug/l		
42) 1,2-Dichloroethane	8.246	62	48316	20.08	ug/l		99
43) Isopropyl Acetate	8.277	43	65077	21.70	ug/l		98
44) Trichloroethene	8.947	130	43904	18.01	ug/l		94
45) 1,2-Dichloropropane	9.221	63	41990	22.20	ug/l		97
46) Dibromomethane	9.313	93	21070	18.94	ug/l		97
47) Bromodichloromethane	9.502	83	55247	20.82	ug/l		98
48) Methyl methacrylate	9.295	41	29139	21.39	ug/l		95
49) 1,4-Dioxane	9.307	88	5641	352.00	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.075	43	163260	106.83	ug/l		98
52) Toluene	10.246	92	100531	20.43	ug/l		99
53) t-1,3-Dichloropropene	10.471	75	58064	20.52	ug/l		93
54) cis-1,3-Dichloropropene	9.935	75	67399	21.32	ug/l		99
55) 1,1,2-Trichloroethane	10.648	97	29997	19.69	ug/l		98
56) Ethyl methacrylate	10.514	69	42340	20.25	ug/l		95
57) 1,3-Dichloropropane	10.794	76	53852	20.48	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.788	63	105459	117.89	ug/l		96
59) 2-Hexanone	10.837	43	105883	100.78	ug/l		97
60) Dibromochloromethane	10.989	129	36133	19.78	ug/l		98
61) 1,2-Dibromoethane	11.093	107	28861	19.19	ug/l		100
64) Tetrachloroethene	10.721	164	43169	16.97	ug/l		99
65) Chlorobenzene	11.520	112	103952	20.16	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.593	131	37267	20.18	ug/l		97
67) Ethyl Benzene	11.599	91	194877	20.81	ug/l		99
68) m/p-Xylenes	11.703	106	143976	40.05	ug/l		97
69) o-Xylene	12.032	106	67079	19.94	ug/l		97
70) Styrene	12.050	104	111222	19.87	ug/l		99
71) Bromoform	12.215	173	20090	19.10	ug/l	#	98
73) Isopropylbenzene	12.331	105	184872	21.59	ug/l		99
74) N-amyl acetate	12.148	43	55601	22.22	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.587	83	32761	20.67	ug/l		100
76) 1,2,3-Trichloropropane	12.636	75	19810m	18.62	ug/l		
77) Bromobenzene	12.611	156	41146	20.53	ug/l		94
78) n-propylbenzene	12.672	91	219898	22.20	ug/l		98
79) 2-Chlorotoluene	12.757	91	118991	21.87	ug/l		99
80) 1,3,5-Trimethylbenzene	12.818	105	149002	21.33	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.379	75	12137	21.02	ug/l		99
82) 4-Chlorotoluene	12.861	91	123176	21.50	ug/l		98
83) tert-Butylbenzene	13.081	119	132050	21.88	ug/l		96
84) 1,2,4-Trimethylbenzene	13.123	105	149961	21.41	ug/l		99
85) sec-Butylbenzene	13.257	105	181857	21.89	ug/l		99
86) p-Isopropyltoluene	13.373	119	161749	20.93	ug/l		100
87) 1,3-Dichlorobenzene	13.373	146	76321	20.41	ug/l		99
88) 1,4-Dichlorobenzene	13.452	146	75527	20.44	ug/l		99
89) n-Butylbenzene	13.702	91	154498	21.74	ug/l		99
90) Hexachloroethane	13.965	117	21234	33.73	ug/l		99
91) 1,2-Dichlorobenzene	13.745	146	66396	19.78	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5401	18.27	ug/l		93
93) 1,2,4-Trichlorobenzene	15.013	180	44970	18.85	ug/l		100
94) Hexachlorobutadiene	15.117	225	24585	19.38	ug/l		99
95) Naphthalene	15.245	128	94066	18.59	ug/l		99
96) 1,2,3-Trichlorobenzene	15.428	180	39625	18.18	ug/l		97

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

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