Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061924\
Data File : VY018639.D
Acq On : 19 Jun 2024 12:21
Operator : SY/MD
Sample : VY0619SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBSD01

Quant Time: Jun 20 02:09:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 14 07:08:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.777	168	134439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	220656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	199234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	92148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.124	65	68885	50.893	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.780%			
35) Dibromofluoromethane	7.704	113	72520	53.877	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.760%			
50) Toluene-d8	10.173	98	285221	55.100	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.200%			
62) 4-Bromofluorobenzene	12.477	95	87712	53.661	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.894	85	17892	20.207	ug/l	96
3) Chloromethane	2.101	50	32774	17.972	ug/l	98
4) Vinyl Chloride	2.235	62	41256	18.268	ug/l	99
5) Bromomethane	2.625	94	31890	18.998	ug/l	92
6) Chloroethane	2.772	64	26874	18.165	ug/l	98
7) Trichlorofluoromethane	3.095	101	55147	22.676	ug/l	95
8) Diethyl Ether	3.509	74	14415	20.788	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.869	101	28041	22.068	ug/l	97
10) Methyl Iodide	4.070	142	24137	16.186	ug/l	98
11) Tert butyl alcohol	4.942	59	11084	45.526	ug/l #	84
12) 1,1-Dichloroethene	3.845	96	24560	19.233	ug/l	93
13) Acrolein	3.704	56	6208	79.313	ug/l	96
14) Allyl chloride	4.454	41	33480	19.448	ug/l	95
15) Acrylonitrile	5.149	53	32678	105.933	ug/l	98
16) Acetone	3.936	43	26058	94.627	ug/l	93
17) Carbon Disulfide	4.168	76	49943	14.542	ug/l	100
18) Methyl Acetate	4.454	43	13616	19.494	ug/l	99
19) Methyl tert-butyl Ether	5.198	73	68848	20.212	ug/l	99
20) Methylene Chloride	4.692	84	42336	19.476	ug/l	95
21) trans-1,2-Dichloroethene	5.192	96	25910	17.824	ug/l	96
22) Diisopropyl ether	6.100	45	81519	20.975	ug/l	95
23) Vinyl Acetate	6.039	43	248270	80.982	ug/l	96
24) 1,1-Dichloroethane	5.997	63	50308	20.093	ug/l	99
25) 2-Butanone	6.966	43	42054	101.881	ug/l	92
26) 2,2-Dichloropropane	6.966	77	39350	18.654	ug/l	99
27) cis-1,2-Dichloroethene	6.966	96	34951	19.906	ug/l	97
28) Bromochloromethane	7.313	49	20362	19.841	ug/l	93
29) Tetrahydrofuran	7.338	42	26988	106.540	ug/l	95
30) Chloroform	7.490	83	55223	20.238	ug/l	99
31) Cyclohexane	7.771	56	39469	19.036	ug/l #	88
32) 1,1,1-Trichloroethane	7.691	97	46746	20.165	ug/l	98
36) 1,1-Dichloropropene	7.905	75	37045	19.994	ug/l	99
37) Ethyl Acetate	7.070	43	18342	21.001	ug/l	99
38) Carbon Tetrachloride	7.893	117	40646	20.911	ug/l	96
39) Methylcyclohexane	9.173	83	45065	19.851	ug/l	96
40) Benzene	8.149	78	115550	20.166	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.307	41	10841m	24.679	ug/l		
42) 1,2-Dichloroethane	8.228	62	30389	20.329	ug/l		96
43) Isopropyl Acetate	8.264	43	35849	21.991	ug/l	#	82
44) Trichloroethene	8.929	130	30743	20.493	ug/l		95
45) 1,2-Dichloropropane	9.209	63	27659	21.110	ug/l		96
46) Dibromomethane	9.295	93	16655	20.486	ug/l		96
47) Bromodichloromethane	9.490	83	40334	20.787	ug/l		94
48) Methyl methacrylate	9.283	41	15329	20.887	ug/l		94
49) 1,4-Dioxane	9.289	88	4046	378.411	ug/l	#	97
51) 4-Methyl-2-Pentanone	10.063	43	95311	110.997	ug/l		97
52) Toluene	10.240	92	75446	20.508	ug/l		98
53) t-1,3-Dichloropropene	10.459	75	35715	21.063	ug/l		97
54) cis-1,3-Dichloropropene	9.923	75	42202	20.624	ug/l		99
55) 1,1,2-Trichloroethane	10.636	97	23969	22.166	ug/l		98
56) Ethyl methacrylate	10.502	69	30824	21.784	ug/l	#	90
57) 1,3-Dichloropropane	10.782	76	38127	21.226	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.776	63	78203	114.484	ug/l		98
59) 2-Hexanone	10.825	43	68693	114.208	ug/l		97
60) Dibromochloromethane	10.977	129	28720	21.381	ug/l		99
61) 1,2-Dibromoethane	11.081	107	21271	21.285	ug/l		98
64) Tetrachloroethene	10.715	164	30390	21.386	ug/l		96
65) Chlorobenzene	11.508	112	86326	20.975	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.581	131	29248	21.206	ug/l		96
67) Ethyl Benzene	11.587	91	145596	20.388	ug/l		100
68) m/p-Xylenes	11.697	106	115087	41.416	ug/l		98
69) o-Xylene	12.026	106	54569	20.421	ug/l		100
70) Styrene	12.038	104	92303	20.909	ug/l		99
71) Bromoform	12.203	173	15109	19.964	ug/l	#	99
73) Isopropylbenzene	12.325	105	141521	21.032	ug/l		99
74) N-amyl acetate	12.136	43	30932	22.449	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.575	83	26448	22.136	ug/l		98
76) 1,2,3-Trichloropropane	12.630	75	16212m	18.755	ug/l		
77) Bromobenzene	12.599	156	33526	21.544	ug/l		97
78) n-propylbenzene	12.666	91	169463	21.519	ug/l		99
79) 2-Chlorotoluene	12.751	91	94355	21.226	ug/l		99
80) 1,3,5-Trimethylbenzene	12.806	105	112527	21.100	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.373	75	7124	21.588	ug/l		92
82) 4-Chlorotoluene	12.849	91	93773	20.948	ug/l		97
83) tert-Butylbenzene	13.068	119	104619	21.196	ug/l		100
84) 1,2,4-Trimethylbenzene	13.117	105	112477	21.102	ug/l		100
85) sec-Butylbenzene	13.245	105	156165	22.184	ug/l		100
86) p-Isopropyltoluene	13.361	119	129011	21.617	ug/l		98
87) 1,3-Dichlorobenzene	13.361	146	65903	20.997	ug/l		99
88) 1,4-Dichlorobenzene	13.440	146	66496	21.589	ug/l		98
89) n-Butylbenzene	13.690	91	120557	22.412	ug/l		99
90) Hexachloroethane	13.952	117	23070	21.279	ug/l		95
91) 1,2-Dichlorobenzene	13.733	146	58158	21.690	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3196	18.473	ug/l		91
93) 1,2,4-Trichlorobenzene	15.001	180	33113	22.167	ug/l		98
94) Hexachlorobutadiene	15.105	225	16598	21.625	ug/l		93
95) Naphthalene	15.227	128	62432	22.365	ug/l		99
96) 1,2,3-Trichlorobenzene	15.416	180	27256	21.595	ug/l		95

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

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