Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062124\
Data File : VY018663.D
Acq On : 21 Jun 2024 11:47
Operator : SY/MD
Sample : VY0621SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0621SBS01

Quant Time: Jun 21 22:57:27 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	128048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	213557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	191049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	93358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	78660	61.016	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.040%			
35) Dibromofluoromethane	7.704	113	85509	65.638	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 131.280%			
50) Toluene-d8	10.173	98	327629	65.397	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 130.800%			
62) 4-Bromofluorobenzene	12.477	95	100855	63.753	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 127.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.894	85	16413	19.461	ug/l	95
3) Chloromethane	2.101	50	30730	17.692	ug/l	99
4) Vinyl Chloride	2.235	62	39675	18.445	ug/l	96
5) Bromomethane	2.625	94	29497	18.449	ug/l	94
6) Chloroethane	2.778	64	26330	18.686	ug/l	98
7) Trichlorofluoromethane	3.101	101	51162	22.087	ug/l	91
8) Diethyl Ether	3.509	74	13105	19.842	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.875	101	27660	22.854	ug/l	98
10) Methyl Iodide	4.064	142	22580	15.910	ug/l	97
11) Tert butyl alcohol	4.942	59	15151	65.337	ug/l #	86
12) 1,1-Dichloroethene	3.851	96	23487	19.311	ug/l	99
13) Acrolein	3.710	56	4880	65.458	ug/l	96
14) Allyl chloride	4.454	41	31557	19.246	ug/l	97
15) Acrylonitrile	5.143	53	30649	104.314	ug/l	96
16) Acetone	3.930	43	25546	97.398	ug/l	92
17) Carbon Disulfide	4.174	76	48873	14.880	ug/l	98
18) Methyl Acetate	4.466	43	13288	19.974	ug/l	97
19) Methyl tert-butyl Ether	5.204	73	66610	20.531	ug/l	94
20) Methylene Chloride	4.692	84	45129	23.098	ug/l	92
21) trans-1,2-Dichloroethene	5.192	96	27625	19.952	ug/l	94
22) Diisopropyl ether	6.100	45	78517	21.211	ug/l	97
23) Vinyl Acetate	6.039	43	229933	79.354	ug/l	98
24) 1,1-Dichloroethane	5.997	63	48637	20.395	ug/l	98
25) 2-Butanone	6.972	43	40028	101.813	ug/l	97
26) 2,2-Dichloropropane	6.966	77	40783	20.298	ug/l	100
27) cis-1,2-Dichloroethene	6.966	96	34628	20.706	ug/l	98
28) Bromochloromethane	7.320	49	19528	19.978	ug/l	93
29) Tetrahydrofuran	7.332	42	24734	102.516	ug/l	95
30) Chloroform	7.496	83	56294	21.660	ug/l	91
31) Cyclohexane	7.771	56	37460	18.969	ug/l	93
32) 1,1,1-Trichloroethane	7.685	97	46967	21.272	ug/l	99
36) 1,1-Dichloropropene	7.905	75	35849	19.992	ug/l	98
37) Ethyl Acetate	7.063	43	15620	18.479	ug/l #	74
38) Carbon Tetrachloride	7.887	117	40724	21.647	ug/l	94
39) Methylcyclohexane	9.173	83	45070	20.513	ug/l	97
40) Benzene	8.149	78	114587	20.662	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.295	41	7399	17.403	ug/l		86
42) 1,2-Dichloroethane	8.228	62	29750	20.563	ug/l		100
43) Isopropyl Acetate	8.258	43	32836	20.812	ug/l		95
44) Trichloroethene	8.929	130	31159	21.461	ug/l		97
45) 1,2-Dichloropropane	9.209	63	27677	21.826	ug/l		96
46) Dibromomethane	9.295	93	16713	21.241	ug/l		97
47) Bromodichloromethane	9.490	83	40722	21.685	ug/l		98
48) Methyl methacrylate	9.283	41	14338	20.186	ug/l		96
49) 1,4-Dioxane	9.289	88	4337	419.111	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.063	43	88603	106.615	ug/l		97
52) Toluene	10.234	92	76946	21.611	ug/l		93
53) t-1,3-Dichloropropene	10.459	75	33748	20.564	ug/l		96
54) cis-1,3-Dichloropropene	9.923	75	41707	21.059	ug/l		97
55) 1,1,2-Trichloroethane	10.636	97	22667	21.659	ug/l		98
56) Ethyl methacrylate	10.508	69	27196	19.859	ug/l	#	91
57) 1,3-Dichloropropane	10.782	76	37487	21.564	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.776	63	66166	100.083	ug/l		99
59) 2-Hexanone	10.825	43	60562	104.036	ug/l		96
60) Dibromochloromethane	10.977	129	28165	21.665	ug/l		98
61) 1,2-Dibromoethane	11.081	107	20950	21.661	ug/l		99
64) Tetrachloroethene	10.715	164	30518	22.396	ug/l		98
65) Chlorobenzene	11.508	112	86023	21.796	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.587	131	28558	21.593	ug/l		99
67) Ethyl Benzene	11.587	91	145987	21.318	ug/l		98
68) m/p-Xylenes	11.697	106	114469	42.958	ug/l		96
69) o-Xylene	12.026	106	54302	21.192	ug/l		98
70) Styrene	12.038	104	90953	21.486	ug/l		99
71) Bromoform	12.203	173	15717	21.657	ug/l	#	95
73) Isopropylbenzene	12.325	105	144247	21.159	ug/l		99
74) N-amyl acetate	12.142	43	28289	20.264	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.575	83	25645	21.186	ug/l		99
76) 1,2,3-Trichloropropane	12.623	75	19008m	21.705	ug/l		
77) Bromobenzene	12.605	156	32761	20.780	ug/l		99
78) n-propylbenzene	12.666	91	168632	21.136	ug/l		98
79) 2-Chlorotoluene	12.751	91	91369	20.288	ug/l		99
80) 1,3,5-Trimethylbenzene	12.806	105	114014	21.102	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.374	75	7049	21.084	ug/l		91
82) 4-Chlorotoluene	12.849	91	94861	20.917	ug/l		98
83) tert-Butylbenzene	13.069	119	106028	21.203	ug/l		99
84) 1,2,4-Trimethylbenzene	13.117	105	113682	21.051	ug/l		98
85) sec-Butylbenzene	13.245	105	156730	21.976	ug/l		100
86) p-Isopropyltoluene	13.361	119	126996	21.004	ug/l		99
87) 1,3-Dichlorobenzene	13.361	146	67109	21.104	ug/l		99
88) 1,4-Dichlorobenzene	13.440	146	66780	21.400	ug/l		98
89) n-Butylbenzene	13.690	91	118161	21.681	ug/l		99
90) Hexachloroethane	13.959	117	24052	21.897	ug/l		95
91) 1,2-Dichlorobenzene	13.733	146	59187	21.788	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3626	20.687	ug/l		93
93) 1,2,4-Trichlorobenzene	15.001	180	32462	21.449	ug/l		98
94) Hexachlorobutadiene	15.111	225	17760	22.839	ug/l		96
95) Naphthalene	15.233	128	60530	21.402	ug/l		98
96) 1,2,3-Trichlorobenzene	15.422	180	27836	21.769	ug/l		98

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

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