Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062124\
Data File : VY018664.D
Acq On : 21 Jun 2024 12:11
Operator : SY/MD
Sample : VY0621SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0621SBSD01

Quant Time: Jun 21 22:58:14 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	142264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	233985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	200913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	99232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	71021	49.585	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.180%			
35) Dibromofluoromethane	7.703	113	76054	53.283	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.560%			
50) Toluene-d8	10.173	98	289368	52.717	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.440%			
62) 4-Bromofluorobenzene	12.477	95	92040	53.101	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.894	85	17696	18.886	ug/l	99
3) Chloromethane	2.101	50	27979	14.498	ug/l	96
4) Vinyl Chloride	2.235	62	36405	15.233	ug/l	99
5) Bromomethane	2.625	94	27512	15.488	ug/l	94
6) Chloroethane	2.778	64	24016	15.340	ug/l	99
7) Trichlorofluoromethane	3.101	101	49470	19.223	ug/l	95
8) Diethyl Ether	3.515	74	13577	18.503	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.875	101	27154	20.194	ug/l	98
10) Methyl Iodide	4.070	142	23071	14.687	ug/l	94
11) Tert butyl alcohol	4.948	59	15564	60.411	ug/l #	94
12) 1,1-Dichloroethene	3.850	96	23042	17.052	ug/l	98
13) Acrolein	3.710	56	5025	60.668	ug/l	99
14) Allyl chloride	4.460	41	29303	16.085	ug/l	97
15) Acrylonitrile	5.143	53	29080	89.084	ug/l	99
16) Acetone	3.930	43	23407	80.325	ug/l	100
17) Carbon Disulfide	4.174	76	45157	12.749	ug/l	97
18) Methyl Acetate	4.466	43	12627	17.083	ug/l	95
19) Methyl tert-butyl Ether	5.204	73	63808	17.702	ug/l	96
20) Methylene Chloride	4.692	84	44310	19.144	ug/l	94
21) trans-1,2-Dichloroethene	5.198	96	25903	16.839	ug/l	97
22) Diisopropyl ether	6.100	45	72220	17.560	ug/l	89
23) Vinyl Acetate	6.039	43	220915	71.646	ug/l	97
24) 1,1-Dichloroethane	6.003	63	47675	17.994	ug/l	95
25) 2-Butanone	6.972	43	36881	84.434	ug/l	96
26) 2,2-Dichloropropane	6.966	77	38326	17.169	ug/l	100
27) cis-1,2-Dichloroethene	6.966	96	32655	17.575	ug/l	100
28) Bromochloromethane	7.319	49	20674	19.037	ug/l	97
29) Tetrahydrofuran	7.338	42	23831	88.903	ug/l	97
30) Chloroform	7.496	83	52554	18.200	ug/l	96
31) Cyclohexane	7.777	56	35599	16.226	ug/l	94
32) 1,1,1-Trichloroethane	7.685	97	44692	18.219	ug/l	99
36) 1,1-Dichloropropene	7.911	75	34558	17.589	ug/l	100
37) Ethyl Acetate	7.057	43	16637	17.963	ug/l #	91
38) Carbon Tetrachloride	7.886	117	38889	18.867	ug/l	93
39) Methylcyclohexane	9.173	83	43517	18.077	ug/l	98
40) Benzene	8.149	78	110143	18.127	ug/l	100

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.295	41	7845	16.842 ug/l #	73
42) 1,2-Dichloroethane	8.228	62	28610	18.048 ug/l	98
43) Isopropyl Acetate	8.264	43	31252	18.079 ug/l	96
44) Trichloroethene	8.929	130	30201	18.985 ug/l	96
45) 1,2-Dichloropropane	9.209	63	25508	18.359 ug/l	99
46) Dibromomethane	9.301	93	15770	18.293 ug/l	98
47) Bromodichloromethane	9.490	83	38330	18.629 ug/l	94
48) Methyl methacrylate	9.289	41	13335	17.135 ug/l #	93
49) 1,4-Dioxane	9.295	88	4017	354.297 ug/l #	98
51) 4-Methyl-2-Pentanone	10.063	43	84579	92.888 ug/l	98
52) Toluene	10.240	92	70795	18.147 ug/l	99
53) t-1,3-Dichloropropene	10.459	75	31436	17.483 ug/l	94
54) cis-1,3-Dichloropropene	9.923	75	38880	17.918 ug/l	97
55) 1,1,2-Trichloroethane	10.636	97	21660	18.890 ug/l	96
56) Ethyl methacrylate	10.502	69	27477	18.312 ug/l	93
57) 1,3-Dichloropropane	10.782	76	35048	18.400 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	65545	90.488 ug/l	97
59) 2-Hexanone	10.825	43	58261	91.346 ug/l	97
60) Dibromochloromethane	10.977	129	27493	19.302 ug/l	99
61) 1,2-Dibromoethane	11.081	107	19889	18.768 ug/l	98
64) Tetrachloroethene	10.715	164	29106	20.311 ug/l	94
65) Chlorobenzene	11.508	112	80705	19.445 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.581	131	27192	19.550 ug/l	97
67) Ethyl Benzene	11.587	91	137759	19.129 ug/l	95
68) m/p-Xylenes	11.697	106	108382	38.677 ug/l	98
69) o-Xylene	12.026	106	51675	19.176 ug/l	96
70) Styrene	12.038	104	88015	19.771 ug/l	100
71) Bromoform	12.203	173	15115	19.805 ug/l #	97
73) Isopropylbenzene	12.325	105	137978	19.041 ug/l	100
74) N-amyl acetate	12.142	43	27572	18.582 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.575	83	24198	18.807 ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	18885m	20.288 ug/l	
77) Bromobenzene	12.605	156	31769	18.958 ug/l	98
78) n-propylbenzene	12.666	91	163911	19.328 ug/l	99
79) 2-Chlorotoluene	12.751	91	90468	18.899 ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	110873	19.306 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	6563	18.468 ug/l	87
82) 4-Chlorotoluene	12.849	91	91630	19.008 ug/l	96
83) tert-Butylbenzene	13.068	119	99626	18.744 ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	109058	19.000 ug/l	99
85) sec-Butylbenzene	13.251	105	151836	20.029 ug/l	100
86) p-Isopropyltoluene	13.367	119	124164	19.320 ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	65092	19.258 ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	65125	19.635 ug/l	98
89) n-Butylbenzene	13.690	91	117532	20.289 ug/l	99
90) Hexachloroethane	13.958	117	23174	19.849 ug/l	96
91) 1,2-Dichlorobenzene	13.733	146	56389	19.529 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.349	75	3358	18.024 ug/l	100
93) 1,2,4-Trichlorobenzene	15.001	180	31864	19.808 ug/l	98
94) Hexachlorobutadiene	15.105	225	16848	20.384 ug/l	97
95) Naphthalene	15.233	128	57646	19.176 ug/l	99
96) 1,2,3-Trichlorobenzene	15.415	180	27904	20.530 ug/l	97

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

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