Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040224\
Data File : VY017815.D
Acq On : 02 Apr 2024 10:19
Operator : SY/MD
Sample : VY0402SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBSD01

Quant Time: Apr 03 02:02:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 05:58:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	248248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	383844	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	321097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	142225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	105204	48.974	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.940%			
35) Dibromofluoromethane	7.728	113	111989	50.491	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.980%			
50) Toluene-d8	10.191	98	418864	50.555	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.120%			
62) 4-Bromofluorobenzene	12.489	95	121169	48.068	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	30221	18.203	ug/l	98
3) Chloromethane	2.119	50	51975	16.040	ug/l	98
4) Vinyl Chloride	2.259	62	70874	16.737	ug/l	99
5) Bromomethane	2.656	94	58383	17.051	ug/l	99
6) Chloroethane	2.802	64	47462	17.178	ug/l	97
7) Trichlorofluoromethane	3.131	101	71896	17.410	ug/l	92
8) Diethyl Ether	3.540	74	20736	17.094	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.912	101	45792	18.490	ug/l	99
10) Methyl Iodide	4.101	142	42747	15.872	ug/l	99
11) Tert butyl alcohol	4.966	59	17042	90.235	ug/l	98
12) 1,1-Dichloroethene	3.881	96	38990	16.824	ug/l	95
13) Acrolein	3.735	56	14781	98.212	ug/l	96
14) Allyl chloride	4.497	41	48282	16.982	ug/l	98
15) Acrylonitrile	5.180	53	42774	83.535	ug/l	98
16) Acetone	3.960	43	35027	78.882	ug/l	90
17) Carbon Disulfide	4.204	76	96241	14.675	ug/l	100
18) Methyl Acetate	4.497	43	17079	17.365	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	87689	16.526	ug/l	100
20) Methylene Chloride	4.729	84	46168	15.114	ug/l	98
21) trans-1,2-Dichloroethene	5.235	96	41685	16.809	ug/l	98
22) Diisopropyl ether	6.131	45	115485	17.574	ug/l	93
23) Vinyl Acetate	6.076	43	327607	81.652	ug/l	100
24) 1,1-Dichloroethane	6.033	63	77714	17.818	ug/l	97
25) 2-Butanone	6.996	43	50922	80.500	ug/l	92
26) 2,2-Dichloropropane	6.996	77	66084	17.542	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	50535	17.242	ug/l	97
28) Bromochloromethane	7.350	49	33339	18.796	ug/l	93
29) Tetrahydrofuran	7.362	42	31216	82.242	ug/l	97
30) Chloroform	7.521	83	80823	17.860	ug/l	97
31) Cyclohexane	7.801	56	62922	16.627	ug/l #	92
32) 1,1,1-Trichloroethane	7.716	97	68477	17.779	ug/l	96
36) 1,1-Dichloropropene	7.929	75	55759	17.229	ug/l	99
37) Ethyl Acetate	7.082	43	23822	17.057	ug/l	99
38) Carbon Tetrachloride	7.917	117	59801	17.800	ug/l	98
39) Methylcyclohexane	9.197	83	67661	16.738	ug/l	98
40) Benzene	8.173	78	176843	17.731	ug/l	97

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.320	41	13117m	18.549 ug/l	
42) 1,2-Dichloroethane	8.246	62	43526	17.731 ug/l	98
43) Isopropyl Acetate	8.283	43	42931	16.939 ug/l	97
44) Trichloroethene	8.947	130	45781	17.643 ug/l	97
45) 1,2-Dichloropropane	9.228	63	41281	17.812 ug/l	99
46) Dibromomethane	9.313	93	22370	16.990 ug/l	99
47) Bromodichloromethane	9.508	83	60683	18.240 ug/l	99
48) Methyl methacrylate	9.301	41	19801	20.342 ug/l	96
49) 1,4-Dioxane	9.307	88	4970	336.241 ug/l #	91
51) 4-Methyl-2-Pentanone	10.081	43	113839	98.262 ug/l	98
52) Toluene	10.252	92	106224	17.559 ug/l	100
53) t-1,3-Dichloropropene	10.471	75	49837	16.871 ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	61080	16.942 ug/l	97
55) 1,1,2-Trichloroethane	10.654	97	30843	17.580 ug/l	98
56) Ethyl methacrylate	10.520	69	36163	18.841 ug/l	94
57) 1,3-Dichloropropane	10.795	76	51436	17.334 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.795	63	115413	114.593 ug/l	97
59) 2-Hexanone	10.837	43	76881	96.064 ug/l	98
60) Dibromochloromethane	10.996	129	37576	16.981 ug/l	100
61) 1,2-Dibromoethane	11.093	107	27352	17.097 ug/l	97
64) Tetrachloroethene	10.727	164	50552	18.050 ug/l	97
65) Chlorobenzene	11.526	112	117089	17.776 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	39025	17.449 ug/l	99
67) Ethyl Benzene	11.599	91	196336	17.339 ug/l	98
68) m/p-Xylenes	11.709	106	149719	34.865 ug/l	98
69) o-Xylene	12.038	106	67532	20.213 ug/l	97
70) Styrene	12.050	104	114682	20.194 ug/l	100
71) Bromoform	12.215	173	21166	17.073 ug/l #	97
73) Isopropylbenzene	12.337	105	177343	17.793 ug/l	99
74) N-amyl acetate	12.154	43	34807	20.536 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	30983	17.970 ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	24418m	18.841 ug/l	
77) Bromobenzene	12.617	156	41347	17.418 ug/l	96
78) n-propylbenzene	12.678	91	227168	18.679 ug/l	99
79) 2-Chlorotoluene	12.764	91	121887	18.297 ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	141540	18.196 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	10296	20.364 ug/l	97
82) 4-Chlorotoluene	12.861	91	125023	18.125 ug/l	100
83) tert-Butylbenzene	13.081	119	128598	18.184 ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	139699	18.032 ug/l	99
85) sec-Butylbenzene	13.257	105	194921	18.364 ug/l	100
86) p-Isopropyltoluene	13.373	119	158420	17.856 ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	82362	17.485 ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	81808	18.145 ug/l	99
89) n-Butylbenzene	13.703	91	150806	18.475 ug/l	98
90) Hexachloroethane	13.965	117	33151	18.791 ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	70711	18.110 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	4071	17.473 ug/l	91
93) 1,2,4-Trichlorobenzene	15.013	180	36731	17.175 ug/l	99
94) Hexachlorobutadiene	15.117	225	24563	18.947 ug/l	99
95) Naphthalene	15.239	128	55981	18.723 ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	31045	17.186 ug/l	99

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

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