Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
Data File : VY020295.D
Acq On : 13 Nov 2024 19:55
Operator : SY/MD
Sample : VY1113SBSD02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD02

Quant Time: Nov 14 01:03:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	195558	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.616	114	400340	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	307308	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138329	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	137661	56.402	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.800%				
35) Dibromofluoromethane	7.634	113	127921	50.257	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.520%				
50) Toluene-d8	10.109	98	605015	59.715	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 119.440%				
62) 4-Bromofluorobenzene	12.408	95	154033	46.806	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 93.620%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	39738	21.952	ug/l		99
3) Chloromethane	2.068	50	69719	23.251	ug/l		97
4) Vinyl Chloride	2.208	62	74918	23.274	ug/l		98
5) Bromomethane	2.598	94	45367	21.228	ug/l		92
6) Chloroethane	2.739	64	47455	22.843	ug/l		100
7) Trichlorofluoromethane	3.062	101	109266	27.786	ug/l		94
8) Diethyl Ether	3.458	74	23977	21.861	ug/l		74
9) 1,1,2-Trichlorotrifluo...	3.818	101	47683	21.619	ug/l		92
10) Methyl Iodide	4.013	142	45329	21.287	ug/l	#	89
11) Tert butyl alcohol	4.872	59	18397	104.790	ug/l	#	88
12) 1,1-Dichloroethene	3.793	96	43286	20.512	ug/l	#	80
13) Acrolein	3.659	56	14940	68.361	ug/l		94
14) Allyl chloride	4.385	41	76177	20.008	ug/l	#	90
15) Acrylonitrile	5.074	53	56642	113.454	ug/l		99
16) Acetone	3.879	43	59548	104.913	ug/l		91
17) Carbon Disulfide	4.110	76	121557	17.309	ug/l		99
18) Methyl Acetate	4.391	43	31154	23.394	ug/l		89
19) Methyl tert-butyl Ether	5.128	73	123017	23.171	ug/l		95
20) Methylene Chloride	4.622	84	53344	20.921	ug/l	#	81
21) trans-1,2-Dichloroethene	5.128	96	48978	20.579	ug/l	#	79
22) Diisopropyl ether	6.025	45	180371	22.829	ug/l	#	90
23) Vinyl Acetate	5.970	43	499855	112.415	ug/l	#	93
24) 1,1-Dichloroethane	5.921	63	122181	26.706	ug/l		95
25) 2-Butanone	6.902	43	85511	111.140	ug/l	#	82
26) 2,2-Dichloropropane	6.896	77	81934	21.524	ug/l		95
27) cis-1,2-Dichloroethene	6.896	96	64176	23.457	ug/l		86
28) Bromochloromethane	7.250	49	47896	22.358	ug/l	#	73
29) Tetrahydrofuran	7.268	42	54550	122.854	ug/l	#	84
30) Chloroform	7.427	83	134623	29.653	ug/l		95
31) Cyclohexane	7.707	56	87552	19.767	ug/l		89
32) 1,1,1-Trichloroethane	7.628	97	96302	24.296	ug/l		95
36) 1,1-Dichloropropene	7.841	75	72904	18.541	ug/l		94
37) Ethyl Acetate	6.988	43	36430	19.433	ug/l		96
38) Carbon Tetrachloride	7.823	117	77514	19.604	ug/l		93
39) Methylcyclohexane	9.109	83	88348	17.704	ug/l		90
40) Benzene	8.085	78	230456	20.080	ug/l		99

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.219	41	18222	19.404 ug/l	93
42) 1,2-Dichloroethane	8.164	62	65760	20.700 ug/l	93
43) Isopropyl Acetate	8.201	43	75210	20.863 ug/l #	88
44) Trichloroethene	8.872	130	53080	19.955 ug/l	98
45) 1,2-Dichloropropane	9.146	63	55579	20.241 ug/l	96
46) Dibromomethane	9.237	93	28679	19.276 ug/l #	89
47) Bromodichloromethane	9.426	83	82119	21.069 ug/l	99
48) Methyl methacrylate	9.225	41	31332	18.764 ug/l #	82
49) 1,4-Dioxane	9.237	88	6201	404.822 ug/l #	89
51) 4-Methyl-2-Pentanone	9.999	43	245546	132.194 ug/l	89
52) Toluene	10.170	92	173502	24.525 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	87890	25.536 ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	79179	19.274 ug/l #	84
55) 1,1,2-Trichloroethane	10.573	97	49641	26.835 ug/l	93
56) Ethyl methacrylate	10.438	69	65038	24.510 ug/l #	70
57) 1,3-Dichloropropane	10.719	76	85195	25.149 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	129475	98.937 ug/l	93
59) 2-Hexanone	10.762	43	168556	126.575 ug/l	85
60) Dibromochloromethane	10.914	129	59467	25.219 ug/l	99
61) 1,2-Dibromoethane	11.018	107	38416	22.352 ug/l	99
64) Tetrachloroethene	10.646	164	65403	32.233 ug/l	95
65) Chlorobenzene	11.444	112	145538	22.226 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	49193	23.514 ug/l	96
67) Ethyl Benzene	11.517	91	267207	21.830 ug/l	96
68) m/p-Xylenes	11.627	106	190516	42.542 ug/l	91
69) o-Xylene	11.956	106	93438	22.038 ug/l	94
70) Styrene	11.969	104	153590	21.909 ug/l	96
71) Bromoform	12.133	173	25318	23.590 ug/l #	94
73) Isopropylbenzene	12.255	105	245666	22.231 ug/l	98
74) N-amyl acetate	12.072	43	58298	21.105 ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.511	83	44150	22.845 ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	33975m	26.201 ug/l	
77) Bromobenzene	12.536	156	50458	22.578 ug/l	85
78) n-propylbenzene	12.597	91	290353	21.112 ug/l	98
79) 2-Chlorotoluene	12.682	91	170461	22.329 ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	199548	22.493 ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	12531	20.787 ug/l #	78
82) 4-Chlorotoluene	12.779	91	171420	22.023 ug/l	93
83) tert-Butylbenzene	12.999	119	177911	22.934 ug/l	93
84) 1,2,4-Trimethylbenzene	13.042	105	196442	22.356 ug/l	95
85) sec-Butylbenzene	13.176	105	255458	21.450 ug/l	96
86) p-Isopropyltoluene	13.292	119	212324	22.217 ug/l	96
87) 1,3-Dichlorobenzene	13.285	146	107076	23.585 ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	97788	21.629 ug/l	96
89) n-Butylbenzene	13.621	91	191073	19.945 ug/l	97
90) Hexachloroethane	13.883	117	39343	20.816 ug/l	87
91) 1,2-Dichlorobenzene	13.663	146	89030	22.560 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6549	22.345 ug/l	76
93) 1,2,4-Trichlorobenzene	14.925	180	60213	28.403 ug/l	96
94) Hexachlorobutadiene	15.029	225	32076	27.670 ug/l	98
95) Naphthalene	15.145	128	107860	27.218 ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	46019	25.573 ug/l	97

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

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