Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	219240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	365013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106759	43.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 87.080%			
35) Dibromofluoromethane	7.634	113	101692	46.676	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.360%			
50) Toluene-d8	10.109	98	411640	46.760	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.520%			
62) 4-Bromofluorobenzene	12.408	95	120253	45.847	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	84059	42.825	ug/l	99
3) Chloromethane	2.068	50	276116	47.616	ug/l	100
4) Vinyl Chloride	2.202	62	323338	48.066	ug/l	97
5) Bromomethane	2.599	94	274123	42.515	ug/l	99
6) Chloroethane	2.733	64	205816	44.575	ug/l	96
7) Trichlorofluoromethane	3.050	101	271122	47.475	ug/l	96
8) Diethyl Ether	3.458	74	56906	44.247	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	108788	45.230	ug/l	99
10) Methyl Iodide	4.007	142	116830	44.885	ug/l	100
11) Tert butyl alcohol	4.879	59	36036	205.761	ug/l	97
12) 1,1-Dichloroethene	3.787	96	106297	46.234	ug/l	98
13) Acrolein	3.653	56	48776	223.473	ug/l	98
14) Allyl chloride	4.385	41	165428	45.834	ug/l	99
15) Acrylonitrile	5.061	53	118175	216.963	ug/l	100
16) Acetone	3.873	43	110479	221.854	ug/l	99
17) Carbon Disulfide	4.104	76	341772	46.432	ug/l	100
18) Methyl Acetate	4.391	43	57416	38.935	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	284761	43.974	ug/l	99
20) Methylene Chloride	4.616	84	115624	40.875	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	118427	46.024	ug/l	95
22) Diisopropyl ether	6.019	45	354328	44.104	ug/l	96
23) Vinyl Acetate	5.964	43	1064896	223.951	ug/l	100
24) 1,1-Dichloroethane	5.915	63	217965	46.053	ug/l	98
25) 2-Butanone	6.897	43	158557	220.736	ug/l	98
26) 2,2-Dichloropropane	6.890	77	195035	46.639	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	136882	46.024	ug/l	99
28) Bromochloromethane	7.244	49	96031	46.547	ug/l	100
29) Tetrahydrofuran	7.262	42	98109	211.767	ug/l	100
30) Chloroform	7.427	83	215264	45.919	ug/l	94
31) Cyclohexane	7.701	56	206176	43.757	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	194039	46.627	ug/l	99
36) 1,1-Dichloropropene	7.835	75	166116	46.978	ug/l	99
37) Ethyl Acetate	6.988	43	68761	43.605	ug/l	98
38) Carbon Tetrachloride	7.823	117	173199	47.747	ug/l	97
39) Methylcyclohexane	9.110	83	222971	46.923	ug/l	99
40) Benzene	8.085	78	491078	47.020	ug/l	99

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41) Methacrylonitrile	7.220	41	39730	43.134	ug/l		99
42) 1,2-Dichloroethane	8.158	62	130161	45.644	ug/l		98
43) Isopropyl Acetate	8.201	43	150263	44.122	ug/l	#	88
44) Trichloroethene	8.866	130	118971	46.609	ug/l		97
45) 1,2-Dichloropropane	9.140	63	114988	46.587	ug/l		96
46) Dibromomethane	9.231	93	64473	46.430	ug/l		98
47) Bromodichloromethane	9.427	83	164872	46.825	ug/l		100
48) Methyl methacrylate	9.219	41	70644	44.198	ug/l		98
49) 1,4-Dioxane	9.231	88	13433	816.553	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.000	43	372276	219.250	ug/l		98
52) Toluene	10.170	92	309375	47.137	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	152066	46.094	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	177445	46.206	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	79596	44.953	ug/l		96
56) Ethyl methacrylate	10.439	69	115237	45.029	ug/l		99
57) 1,3-Dichloropropane	10.719	76	143407	45.696	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	283213	243.746	ug/l		99
59) 2-Hexanone	10.762	43	249926	220.088	ug/l		99
60) Dibromochloromethane	10.914	129	101515	45.114	ug/l		100
61) 1,2-Dibromoethane	11.018	107	74173	45.960	ug/l		97
64) Tetrachloroethene	10.646	164	121944	45.398	ug/l		98
65) Chlorobenzene	11.444	112	317533	45.953	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	105830	45.464	ug/l		98
67) Ethyl Benzene	11.518	91	605560	47.248	ug/l		99
68) m/p-Xylenes	11.633	106	454148	93.473	ug/l		100
69) o-Xylene	11.957	106	209354	45.959	ug/l		98
70) Styrene	11.969	104	352505	46.815	ug/l		98
71) Bromoform	12.133	173	55559	44.852	ug/l	#	98
73) Isopropylbenzene	12.255	105	559690	46.933	ug/l		100
74) N-amyl acetate	12.072	43	136915	45.502	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	87402	44.656	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	68304m	41.103	ug/l		
77) Bromobenzene	12.536	156	114771	45.607	ug/l		100
78) n-propylbenzene	12.597	91	680155	46.696	ug/l		99
79) 2-Chlorotoluene	12.682	91	358756	46.472	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	438873	46.876	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	29567	42.968	ug/l		100
82) 4-Chlorotoluene	12.780	91	368631	46.289	ug/l		100
83) tert-Butylbenzene	12.999	119	400440	47.655	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	437631	46.735	ug/l		99
85) sec-Butylbenzene	13.176	105	607968	47.241	ug/l		100
86) p-Isopropyltoluene	13.292	119	501979	47.321	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	234193	45.932	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	223096	45.113	ug/l		98
89) n-Butylbenzene	13.621	91	482774	47.968	ug/l		100
90) Hexachloroethane	13.883	117	97273	47.101	ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	195728	45.213	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12728	44.665	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	109742	46.481	ug/l		97
94) Hexachlorobutadiene	15.023	225	59236	45.457	ug/l		98
95) Naphthalene	15.145	128	203925	45.009	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	89699	44.331	ug/l		98

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

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