Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031325\
Data File : VY021518.D
Acq On : 13 Mar 2025 12:13
Operator : SY/MD
Sample : VY0313SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 14 14:55:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0313SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/17/2025
Supervised By :Semsettin Yesilyurt 03/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	202139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	319039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	282466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	145688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	115804	54.203	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.400%			
35) Dibromofluoromethane	7.634	113	111810	53.317	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.640%			
50) Toluene-d8	10.109	98	426188	53.674	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.340%			
62) 4-Bromofluorobenzene	12.407	95	141826	52.510	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.866	85	30642	16.519	ug/l	96
3) Chloromethane	2.074	50	50331	19.245	ug/l	100
4) Vinyl Chloride	2.202	62	54328	19.010	ug/l	98
5) Bromomethane	2.592	94	40659	19.684	ug/l	98
6) Chloroethane	2.738	64	40487	21.437	ug/l	94
7) Trichlorofluoromethane	3.055	101	81516	20.435	ug/l	95
8) Diethyl Ether	3.458	74	19338	17.493	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.823	101	41311	18.139	ug/l	99
10) Methyl Iodide	4.000	142	40669	17.567	ug/l	100
11) Tert butyl alcohol	4.866	59	12931	77.545	ug/l #	72
12) 1,1-Dichloroethene	3.787	96	37280	17.954	ug/l	94
13) Acrolein	3.653	56	12352	113.665	ug/l	90
14) Allyl chloride	4.384	41	61821	18.423	ug/l	99
15) Acrylonitrile	5.055	53	42020	89.292	ug/l	99
16) Acetone	3.872	43	63779	136.869	ug/l	94
17) Carbon Disulfide	4.104	76	111441	17.125	ug/l	100
18) Methyl Acetate	4.384	43	18876	18.256	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	90476	17.192	ug/l	99
20) Methylene Chloride	4.622	84	46836	19.148	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	42111	18.109	ug/l	93
22) Diisopropyl ether	6.024	45	134647	18.619	ug/l	97
23) Vinyl Acetate	5.963	43	361517	87.596	ug/l	99
24) 1,1-Dichloroethane	5.915	63	81762	19.157	ug/l	99
25) 2-Butanone	6.896	43	68766	106.680	ug/l	96
26) 2,2-Dichloropropane	6.890	77	72057	18.349	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	49527	18.748	ug/l	99
28) Bromochloromethane	7.244	49	34879	19.493	ug/l	100
29) Tetrahydrofuran	7.262	42	33533	84.266	ug/l	98
30) Chloroform	7.420	83	84890	19.154	ug/l	99
31) Cyclohexane	7.701	56	67119	16.774	ug/l #	92
32) 1,1,1-Trichloroethane	7.615	97	77360	19.063	ug/l	98
36) 1,1-Dichloropropene	7.841	75	57377	17.479	ug/l	99
37) Ethyl Acetate	6.987	43	24892	17.157	ug/l	96
38) Carbon Tetrachloride	7.823	117	68503	18.145	ug/l	99
39) Methylcyclohexane	9.109	83	66001	16.392	ug/l	99
40) Benzene	8.079	78	178382	18.447	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	13208	16.719	ug/l	#	94
42) 1,2-Dichloroethane	8.158	62	48840	18.054	ug/l		99
43) Isopropyl Acetate	8.195	43	46562	16.532	ug/l	#	86
44) Trichloroethene	8.865	130	45798	18.742	ug/l		93
45) 1,2-Dichloropropane	9.146	63	42849	18.618	ug/l		98
46) Dibromomethane	9.237	93	22993	17.956	ug/l		98
47) Bromodichloromethane	9.426	83	63876	18.783	ug/l		96
48) Methyl methacrylate	9.225	41	21238	16.421	ug/l		99
49) 1,4-Dioxane	9.231	88	4918	391.284	ug/l	#	94
51) 4-Methyl-2-Pentanone	9.999	43	123632	85.074	ug/l		97
52) Toluene	10.170	92	112302	18.421	ug/l		100
53) t-1,3-Dichloropropene	10.395	75	52912	17.660	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	62570	17.590	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	29943	17.876	ug/l		97
56) Ethyl methacrylate	10.438	69	35168	16.462	ug/l		99
57) 1,3-Dichloropropane	10.719	76	52085	17.941	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	87647	88.876	ug/l		98
59) 2-Hexanone	10.761	43	95612	99.502	ug/l		97
60) Dibromochloromethane	10.914	129	41159	17.923	ug/l		100
61) 1,2-Dibromoethane	11.017	107	28206	17.842	ug/l		97
64) Tetrachloroethene	10.651	164	47750	20.789	ug/l		98
65) Chlorobenzene	11.444	112	119107	17.856	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	43330	18.374	ug/l		99
67) Ethyl Benzene	11.523	91	204694	17.484	ug/l		100
68) m/p-Xylenes	11.633	106	160513	36.112	ug/l		99
69) o-Xylene	11.956	106	72309	17.651	ug/l		100
70) Styrene	11.974	104	121907	17.938	ug/l		100
71) Bromoform	12.133	173	23007	17.452	ug/l	#	97
73) Isopropylbenzene	12.261	105	195319	17.019	ug/l		100
74) N-amyl acetate	12.072	43	38348	15.386	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.511	83	32786	16.189	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	27898m	19.003	ug/l		
77) Bromobenzene	12.535	156	45334	16.885	ug/l		98
78) n-propylbenzene	12.596	91	242434	17.394	ug/l		100
79) 2-Chlorotoluene	12.682	91	138155	17.336	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	162818	17.458	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	9663	14.963	ug/l		98
82) 4-Chlorotoluene	12.779	91	143919	17.439	ug/l		99
83) tert-Butylbenzene	12.999	119	145270	17.461	ug/l		98
84) 1,2,4-Trimethylbenzene	13.047	105	163133	17.617	ug/l		100
85) sec-Butylbenzene	13.182	105	213082	17.213	ug/l		100
86) p-Isopropyltoluene	13.297	119	176994	17.355	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	92773	17.359	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	92265	17.653	ug/l		98
89) n-Butylbenzene	13.620	91	163207	17.331	ug/l		99
90) Hexachloroethane	13.883	117	37636	17.299	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	80371	17.546	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5403	17.810	ug/l		88
93) 1,2,4-Trichlorobenzene	14.925	180	41142	16.444	ug/l		96
94) Hexachlorobutadiene	15.029	225	28082	17.906	ug/l		96
95) Naphthalene	15.151	128	59736	16.138	ug/l		97
96) 1,2,3-Trichlorobenzene	15.334	180	35113	16.687	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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