Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021712.D
Acq On : 31 Mar 2025 11:43
Operator : SY/MD
Sample : VY0331SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 01 05:33:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	209979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	327567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	291569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114544	50.348	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.700%			
35) Dibromofluoromethane	7.634	113	112006	52.712	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.420%			
50) Toluene-d8	10.109	98	421935	52.196	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.400%			
62) 4-Bromofluorobenzene	12.407	95	139565	51.043	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	42694	19.617	ug/l	99
3) Chloromethane	2.068	50	59061	19.299	ug/l	99
4) Vinyl Chloride	2.202	62	66406	19.187	ug/l	100
5) Bromomethane	2.592	94	48623	20.599	ug/l	99
6) Chloroethane	2.732	64	44015	19.435	ug/l	97
7) Trichlorofluoromethane	3.055	101	86708	19.558	ug/l	96
8) Diethyl Ether	3.452	74	22675	18.807	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	46607	19.932	ug/l	98
10) Methyl Iodide	4.007	142	43781	17.067	ug/l	98
11) Tert butyl alcohol	4.860	59	13209	89.388	ug/l	98
12) 1,1-Dichloroethene	3.793	96	42010	19.074	ug/l	91
13) Acrolein	3.647	56	20472	75.872	ug/l	99
14) Allyl chloride	4.378	41	67154	19.123	ug/l	99
15) Acrylonitrile	5.061	53	46751	92.869	ug/l	99
16) Acetone	3.866	43	44494	95.560	ug/l	98
17) Carbon Disulfide	4.104	76	136937	18.877	ug/l	99
18) Methyl Acetate	4.385	43	22222	19.257	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	102080	18.616	ug/l	99
20) Methylene Chloride	4.616	84	51551	20.331	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	46975	19.371	ug/l	95
22) Diisopropyl ether	6.018	45	145363	19.733	ug/l	97
23) Vinyl Acetate	5.957	43	402538	93.408	ug/l	99
24) 1,1-Dichloroethane	5.915	63	87037	19.759	ug/l	99
25) 2-Butanone	6.890	43	60441	90.883	ug/l	100
26) 2,2-Dichloropropane	6.884	77	76700	19.575	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	53359	19.566	ug/l	98
28) Bromochloromethane	7.244	49	36351	19.568	ug/l	96
29) Tetrahydrofuran	7.262	42	39804	92.997	ug/l	99
30) Chloroform	7.421	83	90776	19.814	ug/l	99
31) Cyclohexane	7.701	56	74083	18.450	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	82041	19.813	ug/l	99
36) 1,1-Dichloropropene	7.835	75	62556	19.328	ug/l	97
37) Ethyl Acetate	6.988	43	28539	18.684	ug/l	99
38) Carbon Tetrachloride	7.817	117	74182	20.012	ug/l	96
39) Methylcyclohexane	9.109	83	72833	18.838	ug/l	97
40) Benzene	8.079	78	191618	19.770	ug/l	100

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Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	16227m	20.004	ug/l		
42) 1,2-Dichloroethane	8.158	62	54319	19.879	ug/l		99
43) Isopropyl Acetate	8.195	43	52723	18.214	ug/l		99
44) Trichloroethene	8.865	130	49144	19.900	ug/l		98
45) 1,2-Dichloropropane	9.140	63	46508	20.271	ug/l		99
46) Dibromomethane	9.231	93	26264	19.863	ug/l		99
47) Bromodichloromethane	9.420	83	68455	19.980	ug/l		97
48) Methyl methacrylate	9.219	41	23970	18.043	ug/l		98
49) 1,4-Dioxane	9.225	88	5445	384.406	ug/l		92
51) 4-Methyl-2-Pentanone	9.999	43	138649	92.043	ug/l		100
52) Toluene	10.170	92	121643	20.115	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	59086	19.416	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	70169	19.545	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	33939	19.946	ug/l		98
56) Ethyl methacrylate	10.438	69	39458	18.161	ug/l		99
57) 1,3-Dichloropropane	10.719	76	57715	19.639	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	101196	95.474	ug/l		98
59) 2-Hexanone	10.761	43	90774	90.484	ug/l		98
60) Dibromochloromethane	10.914	129	46243	19.905	ug/l		99
61) 1,2-Dibromoethane	11.011	107	31289	19.602	ug/l		99
64) Tetrachloroethene	10.646	164	53898	20.297	ug/l		98
65) Chlorobenzene	11.444	112	130206	19.481	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	46738	19.709	ug/l		98
67) Ethyl Benzene	11.517	91	219797	19.178	ug/l		100
68) m/p-Xylenes	11.627	106	170854	38.930	ug/l		99
69) o-Xylene	11.956	106	77769	19.197	ug/l		99
70) Styrene	11.969	104	133024	19.694	ug/l		99
71) Bromoform	12.133	173	27019	19.974	ug/l	#	98
73) Isopropylbenzene	12.255	105	209283	19.380	ug/l		100
74) N-amyl acetate	12.072	43	44341	17.495	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	37610	19.371	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	23540m	16.333	ug/l		
77) Bromobenzene	12.536	156	50810	19.596	ug/l		98
78) n-propylbenzene	12.596	91	255379	19.670	ug/l		100
79) 2-Chlorotoluene	12.682	91	149058	19.767	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	173479	19.655	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	11906	19.034	ug/l		96
82) 4-Chlorotoluene	12.779	91	153149	19.480	ug/l		99
83) tert-Butylbenzene	12.999	119	150109	19.095	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	171420	19.651	ug/l		100
85) sec-Butylbenzene	13.176	105	225682	19.644	ug/l		99
86) p-Isopropyltoluene	13.291	119	186815	19.674	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	102433	20.052	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	100004	19.814	ug/l		99
89) n-Butylbenzene	13.621	91	169456	19.297	ug/l		99
90) Hexachloroethane	13.883	117	40626	19.524	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	88038	19.797	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5686	18.895	ug/l		96
93) 1,2,4-Trichlorobenzene	14.925	180	44234	18.342	ug/l		98
94) Hexachlorobutadiene	15.029	225	28512	18.931	ug/l		98
95) Naphthalene	15.145	128	64689	16.183	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	36636	17.815	ug/l		99

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Instrument :
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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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