Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021425\
Data File : VY021200.D
Acq On : 14 Feb 2025 10:13
Operator : SY/MD
Sample : VY0214SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0214SBS01

Quant Time: Feb 14 22:15:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	127769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	196900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	167206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	84969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	66965	51.154	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.300%			
35) Dibromofluoromethane	7.640	113	62627	49.630	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.260%			
50) Toluene-d8	10.115	98	241179	50.204	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.400%			
62) 4-Bromofluorobenzene	12.414	95	80918	51.558	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	18298	16.068	ug/l	97
3) Chloromethane	2.074	50	16318	14.521	ug/l	99
4) Vinyl Chloride	2.208	62	17234	15.237	ug/l	94
5) Bromomethane	2.604	94	10461	14.964	ug/l	95
6) Chloroethane	2.745	64	11119	16.514	ug/l	100
7) Trichlorofluoromethane	3.068	101	36263	17.598	ug/l	99
8) Diethyl Ether	3.464	74	11252	17.492	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.824	101	25309	19.570	ug/l	97
10) Methyl Iodide	4.013	142	20434	14.222	ug/l	91
11) Tert butyl alcohol	4.878	59	8968	101.092	ug/l #	88
12) 1,1-Dichloroethene	3.799	96	19777	16.234	ug/l	85
13) Acrolein	3.659	56	10850	79.426	ug/l	97
14) Allyl chloride	4.391	41	37159	18.098	ug/l	95
15) Acrylonitrile	5.067	53	27279	101.837	ug/l	97
16) Acetone	3.879	43	21320	104.433	ug/l	98
17) Carbon Disulfide	4.116	76	37829	9.903	ug/l	99
18) Methyl Acetate	4.397	43	14629	20.413	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	61646	20.020	ug/l	100
20) Methylene Chloride	4.622	84	23907	18.838	ug/l	97
21) trans-1,2-Dichloroethene	5.128	96	22476	16.761	ug/l	89
22) Diisopropyl ether	6.031	45	88805	20.984	ug/l	98
23) Vinyl Acetate	5.970	43	235086	99.647	ug/l	99
24) 1,1-Dichloroethane	5.921	63	47650	19.218	ug/l	99
25) 2-Butanone	6.902	43	35708	106.440	ug/l	98
26) 2,2-Dichloropropane	6.890	77	46158	20.119	ug/l	95
27) cis-1,2-Dichloroethene	6.902	96	29407	19.052	ug/l	95
28) Bromochloromethane	7.256	49	18430	18.797	ug/l	99
29) Tetrahydrofuran	7.274	42	23282	102.562	ug/l	92
30) Chloroform	7.427	83	51910	20.382	ug/l	95
31) Cyclohexane	7.713	56	35918	16.086	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	48318	20.406	ug/l	99
36) 1,1-Dichloropropene	7.841	75	32382	17.325	ug/l	97
37) Ethyl Acetate	6.994	43	16773	20.457	ug/l	98
38) Carbon Tetrachloride	7.823	117	42294	19.366	ug/l	99
39) Methylcyclohexane	9.116	83	36283	15.870	ug/l	98
40) Benzene	8.085	78	102283	18.648	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	9118	19.222	ug/l		95
42) 1,2-Dichloroethane	8.164	62	30018	19.729	ug/l		98
43) Isopropyl Acetate	8.201	43	33819	20.758	ug/l		97
44) Trichloroethene	8.872	130	26295	18.556	ug/l		91
45) 1,2-Dichloropropane	9.146	63	26684	20.497	ug/l		99
46) Dibromomethane	9.237	93	14383	19.954	ug/l		98
47) Bromodichloromethane	9.433	83	40776	21.093	ug/l		95
48) Methyl methacrylate	9.225	41	14781	19.917	ug/l		89
49) 1,4-Dioxane	9.237	88	2750	409.822	ug/l		92
51) 4-Methyl-2-Pentanone	10.006	43	88313	107.793	ug/l		96
52) Toluene	10.176	92	64574	18.750	ug/l		97
53) t-1,3-Dichloropropene	10.402	75	34778	20.035	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	40697	19.801	ug/l	#	88
55) 1,1,2-Trichloroethane	10.579	97	20057	21.488	ug/l		97
56) Ethyl methacrylate	10.445	69	24713	19.791	ug/l	#	85
57) 1,3-Dichloropropane	10.725	76	33168	20.530	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.719	63	53272	89.674	ug/l		99
59) 2-Hexanone	10.768	43	57666	109.318	ug/l		94
60) Dibromochloromethane	10.920	129	27275	20.807	ug/l		99
61) 1,2-Dibromoethane	11.024	107	17365	19.862	ug/l		99
64) Tetrachloroethene	10.652	164	22827	18.390	ug/l		97
65) Chlorobenzene	11.450	112	73932	19.858	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.524	131	27931	21.110	ug/l		97
67) Ethyl Benzene	11.524	91	128505	19.514	ug/l		98
68) m/p-Xylenes	11.633	106	96396	39.129	ug/l		95
69) o-Xylene	11.963	106	45835	19.956	ug/l		96
70) Styrene	11.975	104	78509	20.509	ug/l		98
71) Bromoform	12.139	173	16410	22.282	ug/l	#	99
73) Isopropylbenzene	12.261	105	128433	19.350	ug/l		100
74) N-amyl acetate	12.078	43	28662	19.752	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.511	83	22960	20.800	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	16938m	21.975	ug/l		
77) Bromobenzene	12.542	156	29323	19.145	ug/l		95
78) n-propylbenzene	12.603	91	156018	19.733	ug/l		100
79) 2-Chlorotoluene	12.688	91	87822	19.393	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	105043	19.520	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	7304	19.336	ug/l		91
82) 4-Chlorotoluene	12.786	91	91385	19.807	ug/l		100
83) tert-Butylbenzene	13.005	119	96351	19.698	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	104482	19.857	ug/l		100
85) sec-Butylbenzene	13.182	105	139721	19.844	ug/l		97
86) p-Isopropyltoluene	13.298	119	115603	19.765	ug/l		98
87) 1,3-Dichlorobenzene	13.298	146	59774	20.212	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	58432	20.066	ug/l		99
89) n-Butylbenzene	13.627	91	107365	20.122	ug/l		98
90) Hexachloroethane	13.889	117	25044	20.525	ug/l		87
91) 1,2-Dichlorobenzene	13.663	146	51277	19.976	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3419	20.727	ug/l		94
93) 1,2,4-Trichlorobenzene	14.925	180	28012	19.605	ug/l		98
94) Hexachlorobutadiene	15.029	225	19744	20.853	ug/l		96
95) Naphthalene	15.151	128	45116	19.737	ug/l		98
96) 1,2,3-Trichlorobenzene	15.340	180	23444	19.717	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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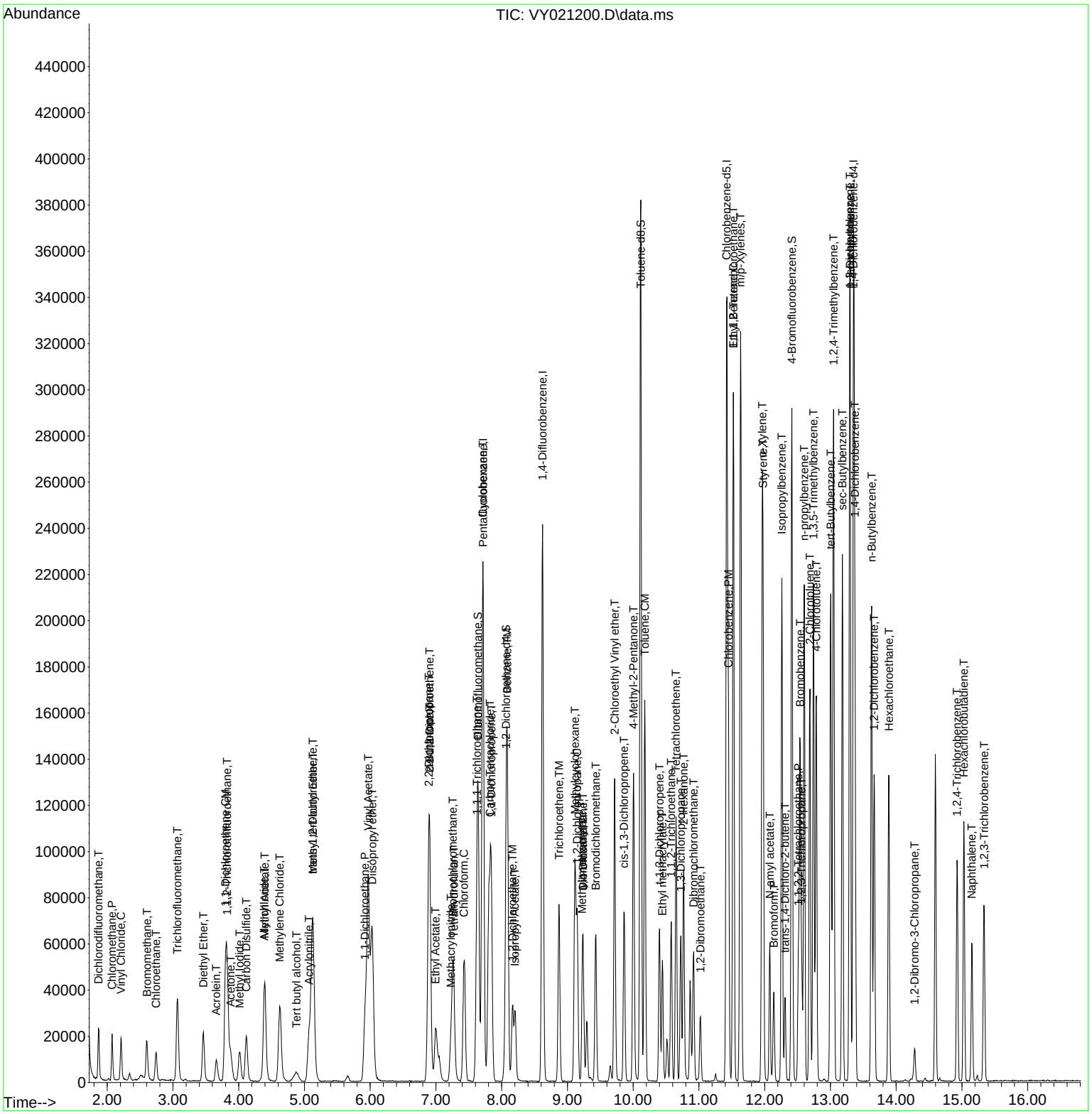
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