Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101722\
Data File : VY010980.D
Acq On : 17 Oct 2022 19:15
Operator : KP/MD
Sample : N4955-02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Manual Integrations APPROVED
Reviewed By :Krupa Patel 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 18 01:47:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 01:42:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.783	168	272205	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.685	114	457859	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.489	117	408714	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	198612	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.136	65	124742	49.749	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.500%			
35) Dibromofluoromethane	7.710	113	125403	49.096	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.200%			
50) Toluene-d8	10.179	98	459316	48.045	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.100%			
62) 4-Bromofluorobenzene	12.477	95	160305	47.163	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.320%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.900	85	9979	5.527	ug/l		93
3) Chloromethane	2.113	50	14766	5.700	ug/l		93
4) Vinyl Chloride	2.247	62	16661	5.675	ug/l		100
5) Bromomethane	2.644	94	12248	6.031	ug/l		95
6) Chloroethane	2.790	64	10903	5.557	ug/l		92
7) Trichlorofluoromethane	3.119	101	23361	5.436	ug/l		91
8) Diethyl Ether	3.521	74	8744	5.453	ug/l		88
9) 1,1,2-Trichlorotrifluo...	3.887	101	14757	5.475	ug/l		94
10) Methyl Iodide	4.082	142	16954	5.140	ug/l		92
11) Tert butyl alcohol	4.942	59	13859	30.003	ug/l	#	77
12) 1,1-Dichloroethene	3.863	96	14152	5.481	ug/l		92
13) Acrolein	3.729	56	10031	24.815	ug/l		98
14) Allyl chloride	4.472	41	21498	5.250	ug/l	#	87
15) Acrylonitrile	5.155	53	22647	27.092	ug/l		97
16) Acetone	3.942	43	17861	24.529	ug/l	#	84
17) Carbon Disulfide	4.186	76	44217	5.841	ug/l		99
18) Methyl Acetate	4.472	43	18004	6.328	ug/l	#	88
19) Methyl tert-butyl Ether	5.216	73	37091	5.141	ug/l		100
20) Methylene Chloride	4.710	84	27704	2.762	ug/l	#	84
21) trans-1,2-Dichloroethene	5.210	96	15942	5.469	ug/l		91
22) Diisopropyl ether	6.112	45	45571	5.196	ug/l	#	94
23) Vinyl Acetate	6.058	43	114067	21.751	ug/l	#	93
24) 1,1-Dichloroethane	6.009	63	28984	5.474	ug/l		99
25) 2-Butanone	6.984	43	28449	25.763	ug/l	#	88
26) 2,2-Dichloropropane	6.978	77	25381	5.398	ug/l		98
27) cis-1,2-Dichloroethene	6.984	96	17957	5.345	ug/l		93
28) Bromochloromethane	7.326	49	9613	8.283	ug/l		90
29) Tetrahydrofuran	7.344	42	18197	26.785	ug/l	#	87
30) Chloroform	7.502	83	29414	5.511	ug/l		95
31) Cyclohexane	7.783	56	28990	6.042	ug/l	#	70
32) 1,1,1-Trichloroethane	7.704	97	25094	5.349	ug/l		97
36) 1,1-Dichloropropene	7.911	75	23093	5.418	ug/l		100
37) Ethyl Acetate	7.070	43	12326	5.223	ug/l		96
38) Carbon Tetrachloride	7.893	117	22346	5.079	ug/l		92
39) Methylcyclohexane	9.179	83	26513	5.193	ug/l		95
40) Benzene	8.155	78	65929	5.272	ug/l		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.319	41	7481m	5.850	ug/l		
42) 1,2-Dichloroethane	8.228	62	18783	5.420	ug/l		92
43) Isopropyl Acetate	8.271	43	21270	5.045	ug/l	#	89
44) Trichloroethene	8.935	130	17651	5.208	ug/l		94
45) 1,2-Dichloropropane	9.216	63	16550	5.216	ug/l		94
46) Dibromomethane	9.301	93	9350	5.283	ug/l		96
47) Bromodichloromethane	9.496	83	21666	5.080	ug/l		96
48) Methyl methacrylate	9.289	41	9297	4.927	ug/l	#	80
49) 1,4-Dioxane	9.295	88	2428	95.487	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.069	43	57772	24.570	ug/l		89
52) Toluene	10.240	92	41421	5.331	ug/l		96
53) t-1,3-Dichloropropene	10.465	75	21992	4.964	ug/l		95
54) cis-1,3-Dichloropropene	9.929	75	25449	5.019	ug/l	#	82
55) 1,1,2-Trichloroethane	10.642	97	13529	5.299	ug/l		96
56) Ethyl methacrylate	10.508	69	16281	4.801	ug/l	#	78
57) 1,3-Dichloropropane	10.788	76	22970	5.233	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.782	63	38008	38.078	ug/l		98
59) 2-Hexanone	10.831	43	37243	23.058	ug/l		86
60) Dibromochloromethane	10.983	129	15407	5.075	ug/l		100
61) 1,2-Dibromoethane	11.087	107	12760	5.219	ug/l		98
64) Tetrachloroethene	10.721	164	17057	5.361	ug/l		96
65) Chlorobenzene	11.514	112	43941	5.237	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.587	131	16016	5.157	ug/l		96
67) Ethyl Benzene	11.593	91	74328	5.007	ug/l		99
68) m/p-Xylenes	11.703	106	56990	9.980	ug/l		95
69) o-Xylene	12.026	106	27346	5.043	ug/l		92
70) Styrene	12.044	104	44207	4.811	ug/l		95
71) Bromoform	12.203	173	9904	5.167	ug/l	#	94
73) Isopropylbenzene	12.325	105	70523	4.887	ug/l		99
74) N-amyl acetate	12.142	43	16196	4.424	ug/l	#	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	15895	5.249	ug/l		97
76) 1,2,3-Trichloropropane	12.630	75	11640m	5.162	ug/l		
77) Bromobenzene	12.605	156	17165	5.089	ug/l		98
78) n-propylbenzene	12.666	91	89112	5.076	ug/l		99
79) 2-Chlorotoluene	12.751	91	51355	5.194	ug/l		100
80) 1,3,5-Trimethylbenzene	12.812	105	60495	5.025	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.380	75	5104	4.868	ug/l	#	85
82) 4-Chlorotoluene	12.855	91	53256	5.173	ug/l		99
83) tert-Butylbenzene	13.075	119	51771	4.973	ug/l		94
84) 1,2,4-Trimethylbenzene	13.117	105	58376	4.917	ug/l		98
85) sec-Butylbenzene	13.251	105	77521	4.955	ug/l		99
86) p-Isopropyltoluene	13.367	119	64087	4.938	ug/l		98
87) 1,3-Dichlorobenzene	13.367	146	35210	5.231	ug/l		98
88) 1,4-Dichlorobenzene	13.446	146	36479	5.450	ug/l		96
89) n-Butylbenzene	13.696	91	60933	5.024	ug/l		100
90) Hexachloroethane	13.959	117	13620	5.318	ug/l		93
91) 1,2-Dichlorobenzene	13.739	146	31189	5.179	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2593	5.179	ug/l		84
93) 1,2,4-Trichlorobenzene	15.007	180	18509	5.142	ug/l		98
94) Hexachlorobutadiene	15.111	225	11560	5.456	ug/l		98
95) Naphthalene	15.233	128	32908	4.489	ug/l		98
96) 1,2,3-Trichlorobenzene	15.422	180	15722	5.007	ug/l		97

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

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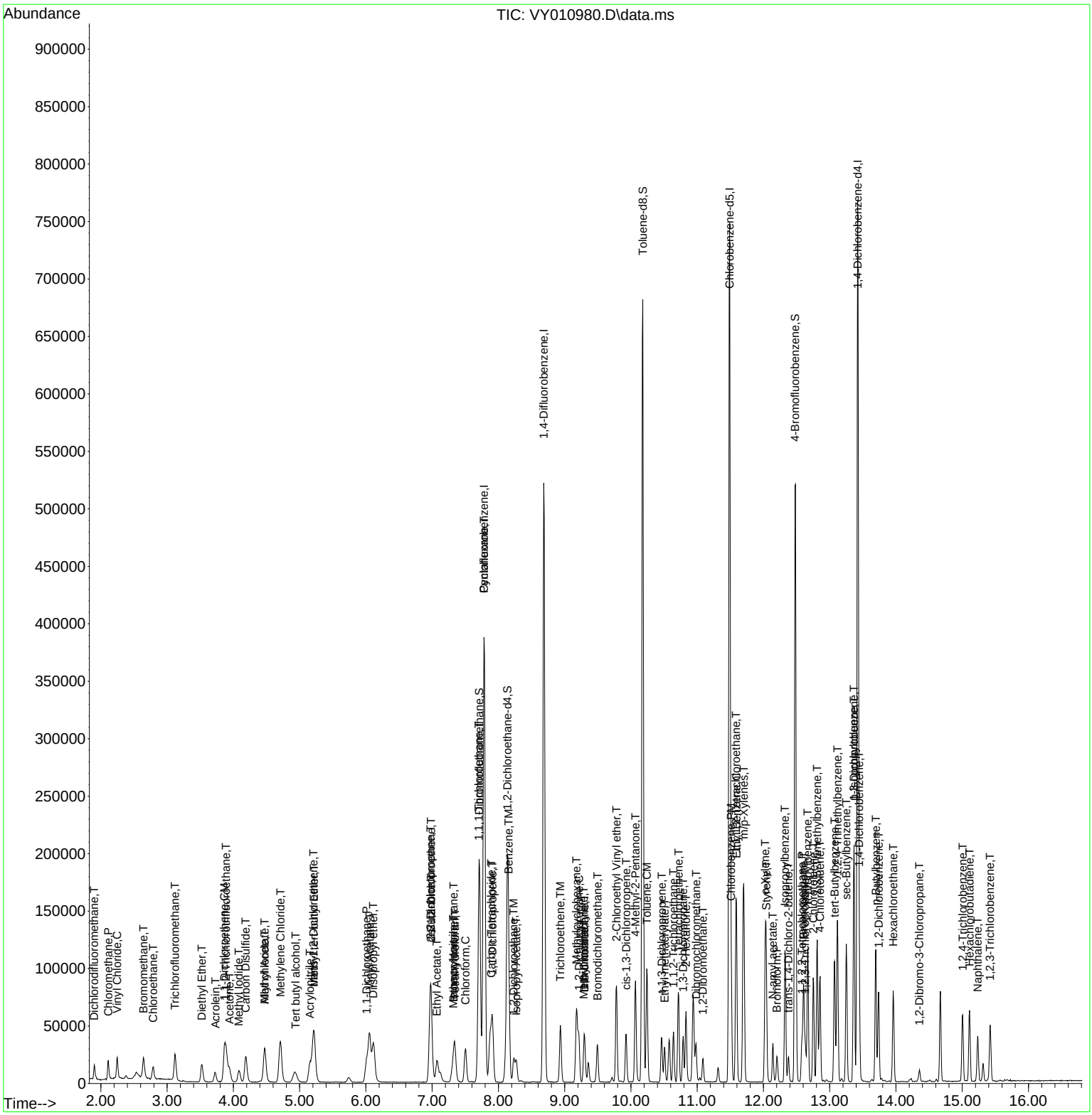
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