Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
Data File : VY019538.D
Acq On : 13 Sep 2024 14:26
Operator : SY/MD
Sample : P3390-02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024

Quant Time: Sep 14 02:52:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 14 02:51:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	427713	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	753179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	637377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	288000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	198954	50.234	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.460%			
35) Dibromofluoromethane	7.628	113	197534	46.257	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.520%			
50) Toluene-d8	10.103	98	722678	45.753	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.500%			
62) 4-Bromofluorobenzene	12.401	95	254141	41.845	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 83.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	10415	3.852	ug/l	100
3) Chloromethane	2.068	50	11597	3.277	ug/l	97
4) Vinyl Chloride	2.202	62	13678	3.575	ug/l	99
5) Bromomethane	2.592	94	10017	4.262	ug/l	88
6) Chloroethane	2.739	64	10483	4.191	ug/l	96
7) Trichlorofluoromethane	3.056	101	26828	4.206	ug/l	88
8) Diethyl Ether	3.452	74	9998	4.670	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	17371	4.402	ug/l	94
10) Methyl Iodide	4.001	142	16840	3.329	ug/l	94
11) Tert butyl alcohol	4.866	59	8738	27.320	ug/l #	85
12) 1,1-Dichloroethene	3.793	96	13838	3.647	ug/l	94
13) Acrolein	3.653	56	9161	53.414	ug/l	97
14) Allyl chloride	4.378	41	27352	4.019	ug/l #	92
15) Acrylonitrile	5.061	53	23391	25.337	ug/l	97
16) Acetone	3.872	43	19387	20.547	ug/l #	75
17) Carbon Disulfide	4.098	76	17250	1.682	ug/l #	91
18) Methyl Acetate	4.385	43	19891	7.768	ug/l	89
19) Methyl tert-butyl Ether	5.104	73	54782	5.097	ug/l	96
20) Methylene Chloride	4.610	84	30561	7.102	ug/l #	87
21) trans-1,2-Dichloroethene	5.104	96	15550	3.739	ug/l	96
22) Diisopropyl ether	6.012	45	68859	4.927	ug/l	90
23) Vinyl Acetate	5.951	43	213682	26.770	ug/l	94
24) 1,1-Dichloroethane	5.915	63	36443	4.647	ug/l	95
25) 2-Butanone	6.896	43	30198	22.503	ug/l #	85
26) 2,2-Dichloropropane	6.884	77	33499	4.736	ug/l	99
27) cis-1,2-Dichloroethene	6.878	96	23755	4.702	ug/l	90
28) Bromochloromethane	7.244	49	14949	4.531	ug/l	85
29) Tetrahydrofuran	7.262	42	18414	22.568	ug/l	90
30) Chloroform	7.415	83	41247	5.153	ug/l	98
31) Cyclohexane	7.695	56	30011	4.234	ug/l #	68
32) 1,1,1-Trichloroethane	7.610	97	34494	4.807	ug/l	98
36) 1,1-Dichloropropene	7.829	75	22054	3.795	ug/l	98
37) Ethyl Acetate	6.982	43	13880	4.662	ug/l #	96
38) Carbon Tetrachloride	7.817	117	27225	4.155	ug/l	94
39) Methylcyclohexane	9.103	83	23430	3.030	ug/l	92
40) Benzene	8.079	78	74045	4.137	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	6753	3.891	ug/l		94
42) 1,2-Dichloroethane	8.158	62	23754	4.932	ug/l		98
43) Isopropyl Acetate	8.195	43	28890	4.619	ug/l	#	81
44) Trichloroethene	8.859	130	18379	3.993	ug/l		97
45) 1,2-Dichloropropane	9.140	63	20464	4.677	ug/l		91
46) Dibromomethane	9.231	93	10910	4.560	ug/l		92
47) Bromodichloromethane	9.420	83	31306	4.867	ug/l		97
48) Methyl methacrylate	9.219	41	13300	4.503	ug/l		86
49) 1,4-Dioxane	9.225	88	3013	106.966	ug/l	#	93
51) 4-Methyl-2-Pentanone	9.999	43	74811	23.773	ug/l		90
52) Toluene	10.170	92	48558	4.219	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	27278	4.449	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	31400	4.398	ug/l	#	90
55) 1,1,2-Trichloroethane	10.573	97	16087	4.869	ug/l		96
56) Ethyl methacrylate	10.438	69	22403	4.463	ug/l	#	82
57) 1,3-Dichloropropane	10.719	76	26682	4.698	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	50346	21.611	ug/l		98
59) 2-Hexanone	10.762	43	49283	21.362	ug/l		89
60) Dibromochloromethane	10.908	129	21403	4.897	ug/l		96
61) 1,2-Dibromoethane	11.011	107	13889	4.511	ug/l		99
64) Tetrachloroethene	10.646	164	16930	4.289	ug/l		92
65) Chlorobenzene	11.444	112	57440	4.581	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	21615	4.979	ug/l		97
67) Ethyl Benzene	11.517	91	99772	4.479	ug/l		95
68) m/p-Xylenes	11.627	106	73676	8.746	ug/l		93
69) o-Xylene	11.956	106	36953	4.486	ug/l		91
70) Styrene	11.969	104	62535	4.496	ug/l		97
71) Bromoform	12.127	173	11698	4.718	ug/l	#	99
73) Isopropylbenzene	12.255	105	99255	4.751	ug/l		96
74) N-amyl acetate	12.072	43	25791	4.539	ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	19925	5.373	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	13610m	5.042	ug/l		
77) Bromobenzene	12.529	156	21853	4.716	ug/l		86
78) n-propylbenzene	12.590	91	116034	4.685	ug/l		99
79) 2-Chlorotoluene	12.676	91	68885	4.773	ug/l		96
80) 1,3,5-Trimethylbenzene	12.737	105	79722	4.694	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.298	75	6558	4.664	ug/l		95
82) 4-Chlorotoluene	12.773	91	70442	4.748	ug/l		96
83) tert-Butylbenzene	12.999	119	75861	4.933	ug/l		96
84) 1,2,4-Trimethylbenzene	13.042	105	79415	4.723	ug/l		95
85) sec-Butylbenzene	13.176	105	107956	4.833	ug/l		98
86) p-Isopropyltoluene	13.292	119	84428	4.619	ug/l		96
87) 1,3-Dichlorobenzene	13.285	146	43698	4.853	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	43779	4.899	ug/l		91
89) n-Butylbenzene	13.615	91	80317	4.597	ug/l		99
90) Hexachloroethane	13.877	117	18415	4.842	ug/l		84
91) 1,2-Dichlorobenzene	13.657	146	38846	4.835	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2876	4.653	ug/l		84
93) 1,2,4-Trichlorobenzene	14.913	180	20350	4.164	ug/l		95
94) Hexachlorobutadiene	15.023	225	10776	4.128	ug/l		95
95) Naphthalene	15.139	128	40089	4.096	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	17492	4.185	ug/l		95

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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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