Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101024\
Data File : VY019850.D
Acq On : 10 Oct 2024 12:36
Operator : SY/MD
Sample : P4368-02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Quant Time: Oct 11 08:14:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 11 08:10:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	374858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	660138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	253333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	208647	45.205	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.400%			
35) Dibromofluoromethane	7.634	113	197374	45.309	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.620%			
50) Toluene-d8	10.103	98	720051	44.760	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 89.520%			
62) 4-Bromofluorobenzene	12.402	95	249245	42.880	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 85.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	17683	5.067	ug/l	98
3) Chloromethane	2.068	50	23799	5.240	ug/l	94
4) Vinyl Chloride	2.202	62	26078	5.218	ug/l	97
5) Bromomethane	2.592	94	16912	5.346	ug/l	98
6) Chloroethane	2.739	64	18134	5.401	ug/l	94
7) Trichlorofluoromethane	3.062	101	38784	5.215	ug/l	100
8) Diethyl Ether	3.458	74	11959	5.291	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	22735	5.256	ug/l	98
10) Methyl Iodide	4.007	142	20550	4.697	ug/l	99
11) Tert butyl alcohol	4.866	59	16120m	37.280	ug/l	
12) 1,1-Dichloroethene	3.787	96	19485	4.845	ug/l	96
13) Acrolein	3.653	56	9787	28.857	ug/l	100
14) Allyl chloride	4.385	41	35202	4.851	ug/l	99
15) Acrylonitrile	5.068	53	26359	25.497	ug/l	99
16) Acetone	3.873	43	30688	25.541	ug/l	99
17) Carbon Disulfide	4.110	76	48524	4.502	ug/l	96
18) Methyl Acetate	4.397	43	12721	4.915	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	59540	5.153	ug/l	95
20) Methylene Chloride	4.616	84	30581	6.307	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	21235	4.852	ug/l	90
22) Diisopropyl ether	6.025	45	81335	5.146	ug/l	96
23) Vinyl Acetate	5.964	43	179408m	19.801	ug/l	
24) 1,1-Dichloroethane	5.915	63	46609	5.305	ug/l	96
25) 2-Butanone	6.890	43	42706	26.554	ug/l	90
26) 2,2-Dichloropropane	6.884	77	41597	5.316	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	26706	4.937	ug/l	92
28) Bromochloromethane	7.238	49	21073	5.450	ug/l	100
29) Tetrahydrofuran	7.262	42	23892	26.018	ug/l	98
30) Chloroform	7.427	83	46548	5.198	ug/l	96
31) Cyclohexane	7.701	56	46041	5.970	ug/l #	84
32) 1,1,1-Trichloroethane	7.616	97	40542	5.166	ug/l	98
36) 1,1-Dichloropropene	7.829	75	30705	4.893	ug/l	98
37) Ethyl Acetate	6.994	43	16973	5.187	ug/l	98
38) Carbon Tetrachloride	7.817	117	33995	5.053	ug/l	91
39) Methylcyclohexane	9.110	83	38856	4.914	ug/l	98
40) Benzene	8.085	78	95880	5.048	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	7910	4.466	ug/l	#	91
42) 1,2-Dichloroethane	8.159	62	28278	5.182	ug/l		98
43) Isopropyl Acetate	8.201	43	34490	5.168	ug/l		96
44) Trichloroethene	8.866	130	22818	4.960	ug/l		94
45) 1,2-Dichloropropane	9.140	63	23612	4.967	ug/l		92
46) Dibromomethane	9.231	93	13020	5.013	ug/l		96
47) Bromodichloromethane	9.420	83	34484	5.002	ug/l		99
48) Methyl methacrylate	9.225	41	15417m	5.252	ug/l		
49) 1,4-Dioxane	9.231	88	3059	105.228	ug/l		89
51) 4-Methyl-2-Pentanone	10.000	43	83326	24.478	ug/l		100
52) Toluene	10.170	92	59716	5.037	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	29081	4.688	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	35933	4.909	ug/l		99
55) 1,1,2-Trichloroethane	10.567	97	17738	5.183	ug/l		97
56) Ethyl methacrylate	10.439	69	23947	4.877	ug/l		99
57) 1,3-Dichloropropane	10.713	76	31076	5.171	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	53412	23.366	ug/l		100
59) 2-Hexanone	10.762	43	59013	24.272	ug/l		98
60) Dibromochloromethane	10.908	129	21098	4.803	ug/l		98
61) 1,2-Dibromoethane	11.012	107	15161	4.903	ug/l		99
64) Tetrachloroethene	10.646	164	19807	5.034	ug/l		93
65) Chlorobenzene	11.438	112	64650	5.110	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.512	131	21853	5.105	ug/l		95
67) Ethyl Benzene	11.518	91	114151	4.967	ug/l		99
68) m/p-Xylenes	11.627	106	83849	9.878	ug/l		99
69) o-Xylene	11.951	106	39331	4.823	ug/l		93
70) Styrene	11.969	104	65167	4.736	ug/l		97
71) Bromoform	12.127	173	10833	4.727	ug/l	#	96
73) Isopropylbenzene	12.249	105	109511	5.139	ug/l		98
74) N-amyl acetate	12.066	43	27391	4.853	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	20404	5.389	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	15678m	5.943	ug/l		
77) Bromobenzene	12.530	156	23607	5.221	ug/l		99
78) n-propylbenzene	12.591	91	134140	5.210	ug/l		99
79) 2-Chlorotoluene	12.676	91	76032	5.151	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	85570	4.973	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	5552	4.516	ug/l		92
82) 4-Chlorotoluene	12.774	91	77142	5.111	ug/l		100
83) tert-Butylbenzene	12.993	119	80074	5.194	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	87315	5.118	ug/l		99
85) sec-Butylbenzene	13.170	105	118835	5.159	ug/l		99
86) p-Isopropyltoluene	13.286	119	94715	5.064	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	45987	5.036	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	47327	5.276	ug/l		95
89) n-Butylbenzene	13.615	91	90853	4.975	ug/l		99
90) Hexachloroethane	13.877	117	17980	4.937	ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	41409	5.161	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3485	5.767	ug/l		89
93) 1,2,4-Trichlorobenzene	14.919	180	20998	4.667	ug/l		99
94) Hexachlorobutadiene	15.017	225	13212	5.282	ug/l		98
95) Naphthalene	15.139	128	35807	4.220	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	17827	4.687	ug/l		99

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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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