Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100124\
Data File : VY019736.D
Acq On : 01 Oct 2024 11:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :Romaben Patel 10/02/2024
Supervised By :Semsettin Yesilyurt 10/02/2024

Quant Time: Oct 01 17:07:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	357099	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	603736	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	506650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	239838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	191124	57.800	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.600%			
35) Dibromofluoromethane	7.634	113	192220	56.154	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.300%			
50) Toluene-d8	10.103	98	692758	54.715	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.440%			
62) 4-Bromofluorobenzene	12.401	95	255387	52.459	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 104.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	80048	40.211	ug/l	98
3) Chloromethane	2.074	50	130045	44.016	ug/l	96
4) Vinyl Chloride	2.208	62	155465	48.663	ug/l	99
5) Bromomethane	2.598	94	106698	54.372	ug/l	100
6) Chloroethane	2.739	64	112375	53.807	ug/l	99
7) Trichlorofluoromethane	3.062	101	270350	50.765	ug/l	97
8) Diethyl Ether	3.458	74	90004	50.348	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.818	101	166786	50.627	ug/l	96
10) Methyl Iodide	4.007	142	176804	41.859	ug/l	92
11) Tert butyl alcohol	4.860	59	82035	307.202	ug/l #	82
12) 1,1-Dichloroethene	3.793	96	154210	48.674	ug/l	83
13) Acrolein	3.659	56	16351	119.722	ug/l	98
14) Allyl chloride	4.385	41	286312	50.392	ug/l #	92
15) Acrylonitrile	5.061	53	204494	265.304	ug/l	99
16) Acetone	3.866	43	227790	289.161	ug/l #	85
17) Carbon Disulfide	4.110	76	388795	45.419	ug/l	100
18) Methyl Acetate	4.391	43	109086	51.027	ug/l	91
19) Methyl tert-butyl Ether	5.116	73	465111	51.833	ug/l	98
20) Methylene Chloride	4.622	84	176068	49.009	ug/l	88
21) trans-1,2-Dichloroethene	5.122	96	172795	49.758	ug/l	92
22) Diisopropyl ether	6.018	45	618386	53.002	ug/l	93
23) Vinyl Acetate	5.964	43	1751211	262.777	ug/l #	93
24) 1,1-Dichloroethane	5.921	63	343884	52.525	ug/l	97
25) 2-Butanone	6.896	43	302774	270.238	ug/l	89
26) 2,2-Dichloropropane	6.884	77	325246	55.074	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	219179	51.959	ug/l	86
28) Bromochloromethane	7.244	49	168318	61.103	ug/l	82
29) Tetrahydrofuran	7.262	42	174234	255.768	ug/l #	86
30) Chloroform	7.421	83	358662	53.664	ug/l	99
31) Cyclohexane	7.701	56	278737	47.101	ug/l	92
32) 1,1,1-Trichloroethane	7.616	97	320261	53.461	ug/l	97
36) 1,1-Dichloropropene	7.835	75	241686	51.888	ug/l	96
37) Ethyl Acetate	6.982	43	123514	51.754	ug/l	97
38) Carbon Tetrachloride	7.817	117	275035	52.362	ug/l	99
39) Methylcyclohexane	9.109	83	305227	49.242	ug/l	91
40) Benzene	8.079	78	743464	51.823	ug/l	98

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.219	41	75855	54.526 ug/l #	83
42) 1,2-Dichloroethane	8.158	62	209882	54.368 ug/l	95
43) Isopropyl Acetate	8.195	43	258536	51.563 ug/l	90
44) Trichloroethene	8.865	130	187389	50.789 ug/l	94
45) 1,2-Dichloropropane	9.140	63	185840	52.987 ug/l	100
46) Dibromomethane	9.231	93	100105	52.193 ug/l	94
47) Bromodichloromethane	9.420	83	278279	53.975 ug/l	99
48) Methyl methacrylate	9.219	41	118518	50.055 ug/l	84
49) 1,4-Dioxane	9.231	88	22358	990.220 ug/l #	77
51) 4-Methyl-2-Pentanone	9.993	43	655846	260.001 ug/l	91
52) Toluene	10.170	92	481824	52.220 ug/l	98
53) t-1,3-Dichloropropene	10.390	75	256229	52.135 ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	299681	52.366 ug/l #	87
55) 1,1,2-Trichloroethane	10.566	97	137589	51.947 ug/l	94
56) Ethyl methacrylate	10.432	69	206488	51.321 ug/l #	81
57) 1,3-Dichloropropane	10.713	76	236126	51.863 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	550568	294.829 ug/l	97
59) 2-Hexanone	10.755	43	474393	256.524 ug/l	89
60) Dibromochloromethane	10.908	129	183400	52.344 ug/l	99
61) 1,2-Dibromoethane	11.011	107	122549	49.658 ug/l	98
64) Tetrachloroethene	10.640	164	157189	50.101 ug/l	94
65) Chlorobenzene	11.438	112	527458	52.925 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	184785	53.551 ug/l	99
67) Ethyl Benzene	11.511	91	950934	53.700 ug/l	99
68) m/p-Xylenes	11.621	106	704162	105.164 ug/l	93
69) o-Xylene	11.950	106	338920	51.757 ug/l	92
70) Styrene	11.962	104	577420	52.227 ug/l	95
71) Bromoform	12.127	173	101028	51.261 ug/l #	98
73) Isopropylbenzene	12.249	105	916511	52.675 ug/l	99
74) N-amyl acetate	12.066	43	237925	50.279 ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.499	83	161046	52.147 ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	117110m	52.096 ug/l	
77) Bromobenzene	12.523	156	197497	51.179 ug/l	90
78) n-propylbenzene	12.590	91	1102019	53.436 ug/l	99
79) 2-Chlorotoluene	12.676	91	636340	52.946 ug/l	95
80) 1,3,5-Trimethylbenzene	12.731	105	736906	52.096 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	56867	48.563 ug/l	92
82) 4-Chlorotoluene	12.773	91	647448	52.399 ug/l	95
83) tert-Butylbenzene	12.993	119	687874	53.717 ug/l	97
84) 1,2,4-Trimethylbenzene	13.035	105	726094	51.857 ug/l	97
85) sec-Butylbenzene	13.170	105	986725	53.042 ug/l	99
86) p-Isopropyltoluene	13.285	119	802309	52.714 ug/l	96
87) 1,3-Dichlorobenzene	13.279	146	387829	51.721 ug/l	97
88) 1,4-Dichlorobenzene	13.359	146	381951	51.326 ug/l	96
89) n-Butylbenzene	13.608	91	774075	53.200 ug/l	99
90) Hexachloroethane	13.871	117	164767	52.028 ug/l	94
91) 1,2-Dichlorobenzene	13.651	146	344359	51.463 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.267	75	25594	49.725 ug/l	81
93) 1,2,4-Trichlorobenzene	14.913	180	194647	47.828 ug/l	98
94) Hexachlorobutadiene	15.017	225	106918	49.178 ug/l	97
95) Naphthalene	15.139	128	371739	45.612 ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	159958	45.950 ug/l	98

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

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