Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120924\
Data File : VY020548.D
Acq On : 09 Dec 2024 11:49
Operator : SY/MD
Sample : VY1209SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1209SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/10/2024
Supervised By :Semsettin Yesilyurt 12/10/2024

Quant Time: Dec 10 03:58:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	158615	50.000	ug/l		-0.01
34) 1,4-Difluorobenzene	8.616	114	252685	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	209628	50.000	ug/l		-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	103118	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	84223	52.211	ug/l		-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.420%				
35) Dibromofluoromethane	7.634	113	81808	51.427	ug/l		-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.860%				
50) Toluene-d8	10.103	98	308083	50.861	ug/l		-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.720%				
62) 4-Bromofluorobenzene	12.402	95	108948	51.426	ug/l		-0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 102.860%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.861	85	28359	18.329	ug/l		99
3) Chloromethane	2.068	50	28004	17.876	ug/l		97
4) Vinyl Chloride	2.202	62	28706	17.973	ug/l		94
5) Bromomethane	2.592	94	17805	18.999	ug/l		95
6) Chloroethane	2.733	64	19009	19.418	ug/l		97
7) Trichlorofluoromethane	3.056	101	59961	20.044	ug/l		98
8) Diethyl Ether	3.458	74	18580	21.921	ug/l		88
9) 1,1,2-Trichlorotrifluo...	3.812	101	36644	21.023	ug/l		97
10) Methyl Iodide	4.001	142	39651	20.264	ug/l		98
11) Tert butyl alcohol	4.854	59	14534	138.891	ug/l		97
12) 1,1-Dichloroethene	3.787	96	33782	20.517	ug/l		94
13) Acrolein	3.647	56	11220	114.520	ug/l		94
14) Allyl chloride	4.379	41	59395	20.225	ug/l		95
15) Acrylonitrile	5.055	53	41351	117.091	ug/l		99
16) Acetone	3.860	43	45771	114.112	ug/l		98
17) Carbon Disulfide	4.104	76	80763	17.138	ug/l		99
18) Methyl Acetate	4.391	43	20390	23.917	ug/l		97
19) Methyl tert-butyl Ether	5.116	73	95992	22.828	ug/l		100
20) Methylene Chloride	4.610	84	37952	22.243	ug/l		91
21) trans-1,2-Dichloroethene	5.116	96	37165	20.322	ug/l		96
22) Diisopropyl ether	6.019	45	126844	21.721	ug/l		98
23) Vinyl Acetate	5.964	43	337322	109.210	ug/l		95
24) 1,1-Dichloroethane	5.915	63	73833	21.001	ug/l		99
25) 2-Butanone	6.890	43	59203	116.889	ug/l		98
26) 2,2-Dichloropropane	6.884	77	69630	20.940	ug/l		98
27) cis-1,2-Dichloroethene	6.890	96	45768	21.432	ug/l		97
28) Bromochloromethane	7.244	49	23717	18.065	ug/l		91
29) Tetrahydrofuran	7.262	42	34068	117.904	ug/l		98
30) Chloroform	7.421	83	77929	21.598	ug/l		95
31) Cyclohexane	7.701	56	59030	18.573	ug/l	#	91
32) 1,1,1-Trichloroethane	7.616	97	72252	20.796	ug/l		97
36) 1,1-Dichloropropene	7.835	75	52789	19.651	ug/l		99
37) Ethyl Acetate	6.988	43	23668	22.239	ug/l	#	97
38) Carbon Tetrachloride	7.817	117	66019	20.591	ug/l		95
39) Methylcyclohexane	9.110	83	63446	19.033	ug/l		97
40) Benzene	8.079	78	162527	20.520	ug/l		97

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	12986m	21.464 ug/l	
42) 1,2-Dichloroethane	8.152	62	45367	21.799 ug/l	98
43) Isopropyl Acetate	8.195	43	48426	22.534 ug/l #	89
44) Trichloroethene	8.866	130	41218	21.110 ug/l	92
45) 1,2-Dichloropropane	9.140	63	39855	21.503 ug/l	98
46) Dibromomethane	9.231	93	20435	22.268 ug/l	98
47) Bromodichloromethane	9.420	83	58571	21.663 ug/l	96
48) Methyl methacrylate	9.219	41	21893	21.846 ug/l	94
49) 1,4-Dioxane	9.225	88	4467	509.250 ug/l	97
51) 4-Methyl-2-Pentanone	9.994	43	122453	115.379 ug/l	97
52) Toluene	10.170	92	105875	21.425 ug/l	99
53) t-1,3-Dichloropropene	10.390	75	52921	21.802 ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	62408	21.755 ug/l	94
55) 1,1,2-Trichloroethane	10.567	97	27878	22.773 ug/l	98
56) Ethyl methacrylate	10.439	69	38764	22.380 ug/l	93
57) 1,3-Dichloropropane	10.713	76	50850	23.197 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	82491	101.717 ug/l	96
59) 2-Hexanone	10.756	43	86848	113.432 ug/l	95
60) Dibromochloromethane	10.908	129	39213	23.008 ug/l	98
61) 1,2-Dibromoethane	11.012	107	25112	22.432 ug/l	98
64) Tetrachloroethene	10.646	164	35959	20.301 ug/l	98
65) Chlorobenzene	11.438	112	112680	21.445 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.512	131	39813	21.365 ug/l	99
67) Ethyl Benzene	11.518	91	205865	20.902 ug/l	99
68) m/p-Xylenes	11.627	106	153697	42.617 ug/l	99
69) o-Xylene	11.950	106	73557	21.771 ug/l	100
70) Styrene	11.969	104	124469	22.081 ug/l	99
71) Bromoform	12.127	173	22290	23.527 ug/l #	97
73) Isopropylbenzene	12.255	105	203600	20.407 ug/l	99
74) N-amyl acetate	12.066	43	41396	21.169 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	31288	21.806 ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	20935m	19.930 ug/l	
77) Bromobenzene	12.530	156	43552	21.079 ug/l	95
78) n-propylbenzene	12.591	91	238093	20.156 ug/l	97
79) 2-Chlorotoluene	12.676	91	135500	20.328 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	165693	20.723 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	11148	21.776 ug/l	93
82) 4-Chlorotoluene	12.774	91	140836	20.705 ug/l	100
83) tert-Butylbenzene	12.993	119	153787	21.275 ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	164132	21.120 ug/l	99
85) sec-Butylbenzene	13.176	105	215518	20.804 ug/l	100
86) p-Isopropyltoluene	13.292	119	179697	20.991 ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	85828	21.539 ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	85751	21.982 ug/l	99
89) n-Butylbenzene	13.615	91	167239	21.063 ug/l	99
90) Hexachloroethane	13.877	117	34910	20.925 ug/l	95
91) 1,2-Dichlorobenzene	13.658	146	74459	22.034 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4941	22.747 ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	42859	22.556 ug/l	99
94) Hexachlorobutadiene	15.023	225	29009	21.823 ug/l	99
95) Naphthalene	15.145	128	70675	22.985 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	35400	23.088 ug/l	100

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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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