Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090324\
Data File : VY019423.D
Acq On : 03 Sep 2024 12:53
Operator : SY/MD
Sample : VY0903SBSD02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0903SBSD02

Manual Integrations APPROVED
Reviewed By :Romaben Patel 09/04/2024
Supervised By :Mahesh Dadoda 09/04/2024

Quant Time: Sep 04 01:33:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082924S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 02:45:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	138626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	208389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	138692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	86004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	65138	49.609	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.220%			
35) Dibromofluoromethane	7.628	113	68952	52.335	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.680%			
50) Toluene-d8	10.109	98	196609	40.538	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 81.080%			
62) 4-Bromofluorobenzene	12.408	95	82076	52.322	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 104.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	22922	20.293	ug/l	94
3) Chloromethane	2.068	50	34406	18.723	ug/l	100
4) Vinyl Chloride	2.208	62	40450	19.184	ug/l	98
5) Bromomethane	2.592	94	29560	19.354	ug/l	98
6) Chloroethane	2.733	64	22928	17.855	ug/l	96
7) Trichlorofluoromethane	3.056	101	42416	16.995	ug/l	97
8) Diethyl Ether	3.452	74	11004	18.668	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.806	101	30557	21.566	ug/l	96
10) Methyl Iodide	4.001	142	31672	22.932	ug/l	96
11) Tert butyl alcohol	4.842	59	7295m	98.578	ug/l	
12) 1,1-Dichloroethene	3.787	96	28242	21.856	ug/l	99
13) Acrolein	3.647	56	7778	90.126	ug/l	95
14) Allyl chloride	4.385	41	38226	21.427	ug/l	94
15) Acrylonitrile	5.055	53	26318	109.288	ug/l	99
16) Acetone	3.867	43	31811	123.175	ug/l	88
17) Carbon Disulfide	4.104	76	79154	21.218	ug/l	98
18) Methyl Acetate	4.379	43	12267	21.516	ug/l	92
19) Methyl tert-butyl Ether	5.110	73	60758	20.624	ug/l	96
20) Methylene Chloride	4.610	84	32473	15.805	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	30588	20.783	ug/l	97
22) Diisopropyl ether	6.013	45	80413	20.035	ug/l	93
23) Vinyl Acetate	5.952	43	228335	102.211	ug/l	94
24) 1,1-Dichloroethane	5.909	63	51117	21.074	ug/l	97
25) 2-Butanone	6.884	43	37817	109.473	ug/l #	86
26) 2,2-Dichloropropane	6.884	77	46370	21.948	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	34402	20.415	ug/l	94
28) Bromochloromethane	7.244	49	19274	19.341	ug/l	96
29) Tetrahydrofuran	7.256	42	20831	100.361	ug/l	91
30) Chloroform	7.415	83	55641	20.492	ug/l	100
31) Cyclohexane	7.701	56	46532	20.839	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	52660	20.898	ug/l	97
36) 1,1-Dichloropropene	7.835	75	39531	21.232	ug/l	99
37) Ethyl Acetate	6.976	43	15103	20.493	ug/l	96
38) Carbon Tetrachloride	7.817	117	48917	21.556	ug/l	96
39) Methylcyclohexane	9.110	83	52743	22.091	ug/l	97
40) Benzene	8.079	78	120140	21.203	ug/l	99

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	7462	16.789 ug/l	95
42) 1,2-Dichloroethane	8.158	62	30474	20.266 ug/l	97
43) Isopropyl Acetate	8.195	43	29920	20.803 ug/l #	81
44) Trichloroethene	8.860	130	33263	21.374 ug/l	99
45) 1,2-Dichloropropane	9.140	63	25962	21.141 ug/l	99
46) Dibromomethane	9.231	93	15658	21.196 ug/l	99
47) Bromodichloromethane	9.420	83	40869	20.948 ug/l	99
48) Methyl methacrylate	9.219	41	14294	21.021 ug/l	88
49) 1,4-Dioxane	9.225	88	2981	368.331 ug/l #	92
51) 4-Methyl-2-Pentanone	10.000	43	60805	80.734 ug/l	96
52) Toluene	10.170	92	63997	17.228 ug/l	97
53) t-1,3-Dichloropropene	10.396	75	24385	15.133 ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	36058	18.898 ug/l	91
55) 1,1,2-Trichloroethane	10.573	97	15852	16.822 ug/l	88
56) Ethyl methacrylate	10.439	69	18589	15.185 ug/l #	91
57) 1,3-Dichloropropane	10.719	76	25378	16.486 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	50320	91.690 ug/l	95
59) 2-Hexanone	10.762	43	41971	84.035 ug/l	92
60) Dibromochloromethane	10.914	129	20788	16.181 ug/l	96
61) 1,2-Dibromoethane	11.018	107	14753	16.994 ug/l	97
64) Tetrachloroethene	10.652	164	26169	19.318 ug/l	98
65) Chlorobenzene	11.444	112	67022	21.599 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.518	131	23806	22.125 ug/l	94
67) Ethyl Benzene	11.518	91	114395	21.087 ug/l	99
68) m/p-Xylenes	11.633	106	101828	47.440 ug/l	99
69) o-Xylene	11.957	106	54090	27.055 ug/l	99
70) Styrene	11.975	104	91323	27.915 ug/l	98
71) Bromoform	12.133	173	15297	26.747 ug/l #	95
73) Isopropylbenzene	12.255	105	143968	20.994 ug/l	100
74) N-amyl acetate	12.072	43	26625	20.191 ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.511	83	20977	20.582 ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	13934m	18.449 ug/l	
77) Bromobenzene	12.536	156	31871	19.725 ug/l	97
78) n-propylbenzene	12.597	91	172221	20.785 ug/l	99
79) 2-Chlorotoluene	12.682	91	94419	20.454 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	115190	21.319 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	6431	21.066 ug/l	89
82) 4-Chlorotoluene	12.780	91	98062	20.999 ug/l	98
83) tert-Butylbenzene	12.999	119	106077	21.465 ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	114293	22.033 ug/l	99
85) sec-Butylbenzene	13.176	105	153401	21.181 ug/l	98
86) p-Isopropyltoluene	13.292	119	130584	22.134 ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	64912	21.838 ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	64823	21.857 ug/l	98
89) n-Butylbenzene	13.621	91	117427	21.663 ug/l	99
90) Hexachloroethane	13.883	117	25251	21.114 ug/l	100
91) 1,2-Dichlorobenzene	13.664	146	55470	21.144 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3200	23.132 ug/l	90
93) 1,2,4-Trichlorobenzene	14.926	180	30095	22.327 ug/l	99
94) Hexachlorobutadiene	15.023	225	18002	18.583 ug/l	96
95) Naphthalene	15.145	128	46678	21.149 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	24847	21.544 ug/l	97

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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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