Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062123\
Data File : VW026285.D
Acq On : 21 Jun 2023 13:08
Operator : SY/MD
Sample : 03334-05MS
Misc : 4.75g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YBW01MS

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/22/2023
Supervised By :Mahesh Dadoda 06/22/2023

Quant Time: Jun 22 01:35:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Jun 22 01:33:30 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	524972	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	479571	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	232780	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	115941	15.699	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 62.800%			
7) Chloroethane-d5	2.893	69	110689	20.022	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 80.080%			
11) 1,1-Dichloroethene-d2	4.015	65	60285	16.555	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 66.200%			
21) 2-Butanone-d5	7.075	46	113753	52.906	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 105.820%			
24) Chloroform-d	7.648	84	298048	19.388	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 77.560%			
26) 1,2-Dichloroethane-d4	8.307	65	165023	19.631	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 78.520%			
32) Benzene-d6	8.276	84	552205	17.112	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 68.440%			
36) 1,2-Dichloropropane-d6	9.276	67	189377	18.524	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 74.080%			
41) Toluene-d8	10.325	98	464140	16.219	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 64.880%			
43) trans-1,3-Dichloroprop...	10.575	79	65916	16.271	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 65.080%			
47) 2-Hexanone-d5	10.922	63	64938	40.284	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 80.560%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	167678	22.539	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 90.160%			
66) 1,2-Dichlorobenzene-d4	13.849	152	142572	16.002	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 64.000%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	113672m	17.663	ug/L	
3) Chloromethane	2.216	50	145236	17.601	ug/L	97
5) Vinyl chloride	2.369	62	167392	18.978	ug/L	97
6) Bromomethane	2.790	94	90588	18.839	ug/L	99
8) Chloroethane	2.930	64	99251	20.823	ug/L	96
9) Trichlorofluoromethane	3.265	101	146701	25.852	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	130957	18.289	ug/L	99
12) 1,1-Dichloroethene	4.039	96	121544	18.184	ug/L #	77
13) Acetone	4.119	43	101582	61.058	ug/L	99
14) Carbon disulfide	4.381	76	366410	15.529	ug/L	99
15) Methyl Acetate	4.667	43	75944	20.339	ug/L	98
16) Methylene chloride	4.911	84	146818	17.522	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	125385	16.720	ug/L	94
18) Methyl tert-butyl Ether	5.429	73	235243	19.903	ug/L	99
19) 1,1-Dichloroethane	6.216	63	279619	18.315	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	165621	20.850	ug/L	96
22) 2-Butanone	7.167	43	113602	47.868	ug/L	100
23) Bromochloromethane	7.520	128	61197	18.064	ug/L	94
25) Chloroform	7.679	83	259777	18.268	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.398	62	182629	18.622	ug/L		98
29) Cyclohexane	7.953	56	230444	15.564	ug/L		99
30) 1,1,1-Trichloroethane	7.874	97	214470	18.428	ug/L		98
31) Carbon tetrachloride	8.069	117	186133	17.527	ug/L		97
33) Benzene	8.325	78	560927	17.074	ug/L		100
34) Trichloroethene	9.093	95	281000	33.404	ug/L		97
35) Methylcyclohexane	9.337	83	229971	15.449	ug/L		98
37) 1,2-Dichloropropane	9.368	63	158246	17.784	ug/L		100
38) Bromodichloromethane	9.642	83	180580	17.468	ug/L		96
39) cis-1,3-Dichloropropene	10.075	75	216948	16.591	ug/L		99
40) 4-Methyl-2-pentanone	10.209	43	197061	37.564	ug/L		99
42) Toluene	10.386	91	574549	17.099	ug/L		98
44) trans-1,3-Dichloropropene	10.605	75	185637	17.041	ug/L		98
45) 1,1,2-Trichloroethane	10.788	97	107145	18.270	ug/L		97
46) Tetrachloroethene	10.861	164	115922	19.482	ug/L		94
48) 2-Hexanone	10.965	43	137841	37.265	ug/L		98
49) Dibromochloromethane	11.130	129	107937	17.555	ug/L		93
50) 1,2-Dibromoethane	11.233	107	95894	17.660	ug/L		99
51) Chlorobenzene	11.654	112	348393	16.546	ug/L		99
52) Ethylbenzene	11.727	91	631878	16.670	ug/L		100
53) m,p-Xylene	11.837	106	234920	16.660	ug/L		98
54) o-Xylene	12.166	106	218374	16.408	ug/L		99
55) Styrene	12.178	104	387976	16.992	ug/L		97
57) 1,1,2,2-Tetrachloroethane	12.715	83	135134	19.040	ug/L		97
59) Bromoform	12.349	173	59404	16.991	ug/L	#	99
60) Isopropylbenzene	12.459	105	610182	16.686	ug/L		99
61) 1,2,3-Trichloropropane	12.763	75	97501	18.699	ug/L		100
62) 1,3,5-Trimethylbenzene	12.940	105	471801	16.230	ug/L		99
63) 1,2,4-Trimethylbenzene	13.245	105	437460	16.430	ug/L		96
64) 1,3-Dichlorobenzene	13.495	146	244283	15.888	ug/L		96
65) 1,4-Dichlorobenzene	13.574	146	242058	15.637	ug/L		95
67) 1,2-Dichlorobenzene	13.867	146	223276	16.171	ug/L		98
68) 1,2-Dibromo-3-chloropr...	14.476	75	20169	16.695	ug/L		93
69) 1,3,5-Trichlorobenzene	14.623	180	146677	13.887	ug/L		98
70) 1,2,4-trichlorobenzene	15.129	180	113686	13.045	ug/L		95
71) Naphthalene	15.360	128	199992	12.875	ug/L		99
72) 1,2,3-Trichlorobenzene	15.549	180	102459	13.452	ug/L		98

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

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