Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026847.D
Acq On : 24 Aug 2023 10:45
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025594

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2023
Supervised By :Mahesh Dadoda 08/26/2023

Quant Time: Aug 25 02:18:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Aug 23 01:29:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	501652	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	493800	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	277925	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	149363	18.112	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 72.440%			
7) Chloroethane-d5	2.899	69	118428	19.313	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 77.240%			
11) 1,1-Dichloroethene-d2	4.027	65	88966	21.935	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 87.720%			
21) 2-Butanone-d5	7.081	46	110662	46.688	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 93.380%			
24) Chloroform-d	7.648	84	403145	23.944	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 95.760%			
26) 1,2-Dichloroethane-d4	8.307	65	223366	24.040	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.160%			
32) Benzene-d6	8.276	84	804095	23.627	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 94.520%			
36) 1,2-Dichloropropane-d6	9.276	67	241304	22.763	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 91.040%			
41) Toluene-d8	10.325	98	716698	24.533	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 98.120%			
43) trans-1,3-Dichloroprop...	10.575	79	103078	23.551	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 94.200%			
47) 2-Hexanone-d5	10.922	63	60204	54.048	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 108.100%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	218581	26.110	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 104.440%			
66) 1,2-Dichlorobenzene-d4	13.848	152	244914	24.620	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 98.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	183016m	26.833	ug/L	
3) Chloromethane	2.229	50	152857	16.390	ug/L	99
5) Vinyl chloride	2.381	62	170310	19.102	ug/L	100
6) Bromomethane	2.789	94	105153	20.243	ug/L	99
8) Chloroethane	2.942	64	101935	19.081	ug/L	99
9) Trichlorofluoromethane	3.271	101	178061	24.336	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	193630	24.499	ug/L	94
12) 1,1-Dichloroethene	4.051	96	178327	24.050	ug/L	93
13) Acetone	4.125	43	134032	56.872	ug/L	97
14) Carbon disulfide	4.393	76	541765	20.309	ug/L	100
15) Methyl Acetate	4.673	43	107248	22.718	ug/L	95
16) Methylene chloride	4.923	84	226378	23.328	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	194429	23.498	ug/L	97
18) Methyl tert-butyl Ether	5.429	73	330441	26.394	ug/L	97
19) 1,1-Dichloroethane	6.222	63	397170	23.323	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	214294	24.095	ug/L	96
22) 2-Butanone	7.173	43	169224	48.724	ug/L	96
23) Bromochloromethane	7.514	128	95937	24.972	ug/L	87
25) Chloroform	7.679	83	393342	23.909	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	276616	24.101	ug/L	99
29) Cyclohexane	7.959	56	347741	22.772	ug/L	95
30) 1,1,1-Trichloroethane	7.874	97	325384	25.248	ug/L	98
31) Carbon tetrachloride	8.069	117	297609	25.257	ug/L	97
33) Benzene	8.325	78	859181	23.893	ug/L	100
34) Trichloroethene	9.093	95	219942	24.015	ug/L	99
35) Methylcyclohexane	9.337	83	384494	24.540	ug/L	96
37) 1,2-Dichloropropane	9.367	63	224832	22.826	ug/L	98
38) Bromodichloromethane	9.642	83	281505	24.363	ug/L	100
39) cis-1,3-Dichloropropene	10.075	75	355536	25.091	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	311875	48.678	ug/L	96
42) Toluene	10.386	91	914858	25.150	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	310618	25.468	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	171719	25.492	ug/L	95
46) Tetrachloroethene	10.861	164	163868	24.628	ug/L	98
48) 2-Hexanone	10.965	43	233799	53.629	ug/L	95
49) Dibromochloromethane	11.123	129	182445	25.895	ug/L	92
50) 1,2-Dibromoethane	11.233	107	159047	25.163	ug/L	98
51) Chlorobenzene	11.654	112	581992	25.328	ug/L	98
52) Ethylbenzene	11.727	91	1062176	26.038	ug/L	97
53) m,p-Xylene	11.837	106	403493	26.700	ug/L	94
54) o-Xylene	12.160	106	376332	26.682	ug/L	93
55) Styrene	12.178	104	674415	27.500	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	221781	25.996	ug/L	97
59) Bromoform	12.349	173	115173	26.454	ug/L	97
60) Isopropylbenzene	12.458	105	1079364	26.122	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	163028	24.182	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	890018	27.251	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	873976	27.308	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	463819	25.810	ug/L	92
65) 1,4-Dichlorobenzene	13.574	146	459170	24.484	ug/L	100
67) 1,2-Dichlorobenzene	13.867	146	412317	25.231	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	38026	23.397	ug/L	88
69) 1,3,5-Trichlorobenzene	14.623	180	312647	25.752	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	264013	25.648	ug/L	99
71) Naphthalene	15.360	128	550077	28.015	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	243110	26.185	ug/L	100

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

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