Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032123\
Data File : VW025474.D
Acq On : 21 Mar 2023 17:28
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025555

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023

Quant Time: Mar 22 01:36:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM030623SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Mar 22 01:30:00 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	700218	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	636789	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	316435	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	210183	18.053	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 72.200%			
7) Chloroethane-d5	2.899	69	170606	20.365	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 81.480%			
11) 1,1-Dichloroethene-d2	4.033	63	468277	20.824	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 83.280%			
21) 2-Butanone-d5	7.075	46	147779	51.712	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 103.420%			
24) Chloroform-d	7.648	84	488976	24.223	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 96.880%			
26) 1,2-Dichloroethane-d4	8.301	65	260785	24.069	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.280%			
32) Benzene-d6	8.270	84	971938	22.338	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 89.360%			
36) 1,2-Dichloropropane-d6	9.270	67	312817	23.239	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 92.960%			
41) Toluene-d8	10.319	98	848693	22.123	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 88.480%			
43) trans-1,3-Dichloroprop...	10.575	79	118473	22.103	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 88.400%			
47) 2-Hexanone-d5	10.922	63	98558	50.918	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 101.840%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	239998	24.337	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 97.360%			
66) 1,2-Dichlorobenzene-d4	13.849	152	267729	22.752	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 91.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	157724	19.710	ug/L	93
3) Chloromethane	2.223	50	248825	26.145	ug/L	100
5) Vinyl chloride	2.375	62	251928	23.430	ug/L	98
6) Bromomethane	2.790	94	142981	24.942	ug/L	98
8) Chloroethane	2.936	64	153244	24.797	ug/L	98
9) Trichlorofluoromethane	3.265	101	180896	19.437	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	227455m	25.202	ug/L	
12) 1,1-Dichloroethene	4.052	96	212579	24.345	ug/L	91
13) Acetone	4.119	43	105463	38.390	ug/L	100
14) Carbon disulfide	4.393	76	670992	24.715	ug/L	100
15) Methyl Acetate	4.667	43	127393	24.719	ug/L	98
16) Methylene chloride	4.923	84	243770	25.001	ug/L	91
17) trans-1,2-Dichloroethene	5.423	96	237368	25.932	ug/L	91
18) Methyl tert-butyl Ether	5.423	73	355982	25.832	ug/L	98
19) 1,1-Dichloroethane	6.216	63	501711	26.468	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	264521	26.394	ug/L	96
22) 2-Butanone	7.167	43	165587	46.595	ug/L	98
23) Bromochloromethane	7.514	128	107019	24.832	ug/L	93
25) Chloroform	7.673	83	468535	26.294	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	317295	26.682	ug/L	100
29) Cyclohexane	7.959	56	441235	24.547	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	350740	23.170	ug/L	97
31) Carbon tetrachloride	8.069	117	316448	23.321	ug/L	100
33) Benzene	8.325	78	1052073	25.841	ug/L	100
34) Trichloroethene	9.087	95	262330	24.550	ug/L	96
35) Methylcyclohexane	9.331	83	446633	24.264	ug/L	99
37) 1,2-Dichloropropane	9.368	63	286640	25.577	ug/L	100
38) Bromodichloromethane	9.642	83	330541	25.291	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	410630	25.434	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	361206	53.627	ug/L	99
42) Toluene	10.386	91	1087466	25.870	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	332415	24.586	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	188516	25.049	ug/L	98
46) Tetrachloroethene	10.861	164	174308	22.926	ug/L	92
48) 2-Hexanone	10.965	43	240630	49.656	ug/L	97
49) Dibromochloromethane	11.130	129	194851	24.231	ug/L	99
50) 1,2-Dibromoethane	11.233	107	172869	24.815	ug/L	98
51) Chlorobenzene	11.654	112	666119	24.968	ug/L	97
52) Ethylbenzene	11.727	91	1213889	25.320	ug/L	98
53) m,p-Xylene	11.837	106	450509	25.478	ug/L	98
54) o-Xylene	12.160	106	427767	25.708	ug/L	98
55) Styrene	12.178	104	748693	26.349	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.709	83	228788	24.439	ug/L	96
59) Bromoform	12.349	173	107046	23.447	ug/L	99
60) Isopropylbenzene	12.459	105	1177886	24.970	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	168513	24.442	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	963235	25.783	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	959118	26.060	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	474133	23.721	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	484324	23.622	ug/L	89
67) 1,2-Dichlorobenzene	13.867	146	433899	24.203	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.483	75	36519	22.881	ug/L	99
69) 1,3,5-Trichlorobenzene	14.623	180	325802	23.978	ug/L	97
70) 1,2,4-trichlorobenzene	15.123	180	266092	23.620	ug/L	98
71) Naphthalene	15.360	128	572785	25.757	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	243981	24.112	ug/L	99

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

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