Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100523\
Data File : VW027228.D
Acq On : 05 Oct 2023 10:43
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025514

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/07/2023
Supervised By :Mahesh Dadoda 10/09/2023

Quant Time: Oct 06 01:24:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092723SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Oct 04 22:49:04 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	829871	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	796724	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	423927	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	283787	21.765	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 87.080%			
7) Chloroethane-d5	2.899	69	229679	22.288	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.160%			
11) 1,1-Dichloroethene-d2	4.015	65	113362	20.926	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 83.720%			
21) 2-Butanone-d5	7.075	46	114129	42.341	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 84.680%			
24) Chloroform-d	7.655	84	524242	21.585	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 86.320%			
26) 1,2-Dichloroethane-d4	8.307	65	242896	20.868	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 83.480%			
32) Benzene-d6	8.276	84	1079455	22.107	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 88.440%			
36) 1,2-Dichloropropane-d6	9.270	67	328071	22.442	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 89.760%			
41) Toluene-d8	10.319	98	954765	22.159	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 88.640%			
43) trans-1,3-Dichloroprop...	10.575	79	127249	22.181	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 88.720%			
47) 2-Hexanone-d5	10.922	63	101701	45.479	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 90.960%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	254003	22.704	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 90.800%			
66) 1,2-Dichlorobenzene-d4	13.849	152	312932	22.016	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 88.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	199082	18.462	ug/L	98
3) Chloromethane	2.229	50	378952	26.035	ug/L	98
5) Vinyl chloride	2.375	62	420664	26.470	ug/L	96
6) Bromomethane	2.790	94	262841	25.104	ug/L	95
8) Chloroethane	2.930	64	259869	26.944	ug/L	99
9) Trichlorofluoromethane	3.271	101	308244	23.078	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	335457m	24.963	ug/L	
12) 1,1-Dichloroethene	4.045	96	316588	24.659	ug/L	95
13) Acetone	4.119	43	169217	50.804	ug/L	99
14) Carbon disulfide	4.387	76	1009134	23.419	ug/L	99
15) Methyl Acetate	4.667	43	132609	23.754	ug/L	98
16) Methylene chloride	4.917	84	357583	22.011	ug/L	100
17) trans-1,2-Dichloroethene	5.429	96	334880	24.242	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	422601	24.447	ug/L	100
19) 1,1-Dichloroethane	6.216	63	640859	24.877	ug/L	97
20) cis-1,2-Dichloroethene	7.167	96	367509	24.958	ug/L	97
22) 2-Butanone	7.167	43	205029	49.772	ug/L	99
23) Bromochloromethane	7.514	128	159164	23.688	ug/L	91
25) Chloroform	7.673	83	626176	24.922	ug/L	96

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Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	371305	24.124	ug/L	98
29) Cyclohexane	7.959	56	554691	26.169	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	489125	24.697	ug/L	98
31) Carbon tetrachloride	8.069	117	459188	24.547	ug/L	100
33) Benzene	8.325	78	1431280	25.417	ug/L	100
34) Trichloroethene	9.093	95	366784	24.942	ug/L	97
35) Methylcyclohexane	9.337	83	644902	26.074	ug/L	99
37) 1,2-Dichloropropane	9.368	63	377055	25.986	ug/L	99
38) Bromodichloromethane	9.642	83	440309	25.266	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	549901	25.721	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	359539	51.077	ug/L	99
42) Toluene	10.386	91	1505795	26.039	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	447346	25.531	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	262789	25.027	ug/L	97
46) Tetrachloroethene	10.861	164	286176	24.756	ug/L	95
48) 2-Hexanone	10.965	43	288517	52.282	ug/L	99
49) Dibromochloromethane	11.130	129	275685	24.209	ug/L	99
50) 1,2-Dibromoethane	11.233	107	245034	25.148	ug/L	96
51) Chlorobenzene	11.654	112	948658	24.720	ug/L	99
52) Ethylbenzene	11.727	91	1707436	26.282	ug/L	96
53) m,p-Xylene	11.837	106	635843	25.525	ug/L	96
54) o-Xylene	12.160	106	588724	25.299	ug/L	97
55) Styrene	12.178	104	1076938	26.884	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.709	83	308065	24.460	ug/L	99
59) Bromoform	12.349	173	161438	24.116	ug/L	100
60) Isopropylbenzene	12.459	105	1686657	27.019	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	213880	24.643	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	1337310	27.324	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	1336912	27.874	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	733028	25.442	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	733293	25.333	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	655042	25.939	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.483	75	42338	22.773	ug/L	89
69) 1,3,5-Trichlorobenzene	14.623	180	505880	27.268	ug/L	96
70) 1,2,4-trichlorobenzene	15.129	180	368689	25.189	ug/L	98
71) Naphthalene	15.360	128	663419	25.689	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	341685	26.298	ug/L	98

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

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