Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122023\
Data File : VW027805.D
Acq On : 20 Dec 2023 12:28
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025577

Quant Time: Dec 20 23:15:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121523SMA.M
Quant Title : SFAM01.0
QLast Update : Sun Dec 17 01:25:09 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	341080	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	296579	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	153756	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	92164	19.080	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 76.320%			
7) Chloroethane-d5	2.899	69	74296	19.754	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 79.000%			
11) 1,1-Dichloroethene-d2	4.021	65	38736	20.023	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 80.080%			
21) 2-Butanone-d5	7.100	46	30283	36.816	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 73.640%			
24) Chloroform-d	7.648	84	182529	22.490	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 89.960%			
26) 1,2-Dichloroethane-d4	8.307	65	81286	21.331	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 85.320%			
32) Benzene-d6	8.276	84	386761	22.313	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 89.240%			
36) 1,2-Dichloropropane-d6	9.276	67	104329	21.246	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 85.000%			
41) Toluene-d8	10.319	98	359567	22.359	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 89.440%			
43) trans-1,3-Dichloroprop...	10.575	79	39667	20.864	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 83.440%			
47) 2-Hexanone-d5	10.922	63	27507	38.438	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 76.880%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	77047	20.747	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 83.000%			
66) 1,2-Dichlorobenzene-d4	13.848	152	123544	22.447	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 89.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	92474	23.294	ug/L	97
3) Chloromethane	2.223	50	107168	22.919	ug/L	100
5) Vinyl chloride	2.375	62	131800	23.693	ug/L	97
6) Bromomethane	2.796	94	87999	24.853	ug/L	97
8) Chloroethane	2.936	64	73008	21.951	ug/L	99
9) Trichlorofluoromethane	3.271	101	133918	26.654	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	108073	25.322	ug/L	96
12) 1,1-Dichloroethene	4.045	96	104921	25.113	ug/L	95
13) Acetone	4.161	43	32868	44.018	ug/L	98
14) Carbon disulfide	4.387	76	335155	23.879	ug/L	99
15) Methyl Acetate	4.685	43	26624	19.736	ug/L	98
16) Methylene chloride	4.923	84	111998	20.942	ug/L	91
17) trans-1,2-Dichloroethene	5.435	96	112267	25.412	ug/L	96
18) Methyl tert-butyl Ether	5.435	73	138793	23.762	ug/L	99
19) 1,1-Dichloroethane	6.222	63	185325	24.668	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	115847	24.910	ug/L	98
22) 2-Butanone	7.185	43	39289	39.623	ug/L	97
23) Bromochloromethane	7.520	128	49698	25.307	ug/L	91
25) Chloroform	7.679	83	187726	25.373	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.404	62	105832	24.398	ug/L	99
29) Cyclohexane	7.959	56	168458	24.006	ug/L	95
30) 1,1,1-Trichloroethane	7.874	97	163080	26.324	ug/L	100
31) Carbon tetrachloride	8.069	117	146924	26.949	ug/L	99
33) Benzene	8.325	78	434944	25.299	ug/L	100
34) Trichloroethene	9.093	95	118816	25.353	ug/L	97
35) Methylcyclohexane	9.337	83	214308	25.354	ug/L	98
37) 1,2-Dichloropropane	9.368	63	101632	24.489	ug/L	100
38) Bromodichloromethane	9.642	83	126026	24.984	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	156635	24.762	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	73666	40.612	ug/L	99
42) Toluene	10.386	91	485393	26.239	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	119073	23.904	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	73407	23.891	ug/L	99
46) Tetrachloroethene	10.861	164	97319	26.006	ug/L	89
48) 2-Hexanone	10.971	43	54765	40.563	ug/L	97
49) Dibromochloromethane	11.129	129	82087	25.543	ug/L	91
50) 1,2-Dibromoethane	11.233	107	70810	24.250	ug/L	90
51) Chlorobenzene	11.654	112	304371	25.754	ug/L	91
52) Ethylbenzene	11.727	91	540969	25.952	ug/L	93
53) m,p-Xylene	11.837	106	205874	25.712	ug/L	96
54) o-Xylene	12.166	106	195337	26.200	ug/L	96
55) Styrene	12.178	104	329457	26.213	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	78754	22.485	ug/L	100
59) Bromoform	12.349	173	44252	23.513	ug/L	97
60) Isopropylbenzene	12.458	105	555190	25.584	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	54160	21.135	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	435990	25.133	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	435041	25.477	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	240795	25.679	ug/L	90
65) 1,4-Dichlorobenzene	13.574	146	234816	24.930	ug/L	92
67) 1,2-Dichlorobenzene	13.867	146	210610	25.828	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.476	75	10308	20.135	ug/L	95
69) 1,3,5-Trichlorobenzene	14.623	180	159057	24.378	ug/L	92
70) 1,2,4-trichlorobenzene	15.123	180	135645	25.315	ug/L	97
71) Naphthalene	15.360	128	213275	22.461	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	111619	24.915	ug/L	99

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

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