Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121923\
Data File : VW027803.D
Acq On : 20 Dec 2023 01:54
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025576

Quant Time: Dec 20 03:16:15 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	355093	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	312653	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	166895	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	96116	19.113	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 76.440%			
7) Chloroethane-d5	2.899	69	75752	19.347	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 77.400%			
11) 1,1-Dichloroethene-d2	4.027	65	41125	20.419	ug/L	0.01
Spiked Amount 25.000	Range 45 - 110		Recovery = 81.680%			
21) 2-Butanone-d5	7.093	46	35541	41.503	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 83.000%			
24) Chloroform-d	7.654	84	200754	23.759	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 95.040%			
26) 1,2-Dichloroethane-d4	8.307	65	92475	23.309	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.240%			
32) Benzene-d6	8.276	84	423034	23.151	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 92.600%			
36) 1,2-Dichloropropane-d6	9.276	67	118039	22.802	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 91.200%			
41) Toluene-d8	10.325	98	398277	23.493	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 93.960%			
43) trans-1,3-Dichloroprop...	10.575	79	45020	22.462	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 89.840%			
47) 2-Hexanone-d5	10.922	63	32375	42.915	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 85.840%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	89210	22.788	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 91.160%			
66) 1,2-Dichlorobenzene-d4	13.848	152	133636	22.369	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 89.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	84217	20.377	ug/L	98
3) Chloromethane	2.222	50	108300	22.247	ug/L	99
5) Vinyl chloride	2.375	62	129989	22.445	ug/L	96
6) Bromomethane	2.795	94	78419	21.273	ug/L	88
8) Chloroethane	2.936	64	77601	22.411	ug/L	97
9) Trichlorofluoromethane	3.277	101	127632	24.401	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	109122	24.559	ug/L	96
12) 1,1-Dichloroethene	4.051	96	106445	24.472	ug/L	87
13) Acetone	4.161	43	31228	40.171	ug/L	71
14) Carbon disulfide	4.387	76	336724	23.044	ug/L	99
15) Methyl Acetate	4.691	43	30270	21.553	ug/L	95
16) Methylene chloride	4.923	84	120704	21.679	ug/L	94
17) trans-1,2-Dichloroethene	5.429	96	115220	25.051	ug/L	97
18) Methyl tert-butyl Ether	5.435	73	153427	25.231	ug/L	99
19) 1,1-Dichloroethane	6.222	63	193188	24.700	ug/L	97
20) cis-1,2-Dichloroethene	7.173	96	123463	25.500	ug/L	94
22) 2-Butanone	7.179	43	40579	39.309	ug/L	94
23) Bromochloromethane	7.514	128	53519	26.177	ug/L	98
25) Chloroform	7.679	83	200463	26.025	ug/L	94

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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	113127	25.051	ug/L		100
29) Cyclohexane	7.959	56	169807	22.955	ug/L		97
30) 1,1,1-Trichloroethane	7.874	97	163892	25.095	ug/L		99
31) Carbon tetrachloride	8.075	117	143806	25.021	ug/L		94
33) Benzene	8.325	78	461803	25.480	ug/L		100
34) Trichloroethene	9.093	95	121882	24.671	ug/L		97
35) Methylcyclohexane	9.337	83	214142	24.032	ug/L		97
37) 1,2-Dichloropropane	9.367	63	107674	24.611	ug/L		98
38) Bromodichloromethane	9.642	83	133397	25.085	ug/L		98
39) cis-1,3-Dichloropropene	10.075	75	165446	24.811	ug/L		99
40) 4-Methyl-2-pentanone	10.209	43	82511	43.150	ug/L		98
42) Toluene	10.386	91	507775	26.038	ug/L		97
44) trans-1,3-Dichloropropene	10.605	75	131091	24.964	ug/L		99
45) 1,1,2-Trichloroethane	10.782	97	80861	24.964	ug/L		98
46) Tetrachloroethene	10.861	164	105353	26.706	ug/L		88
48) 2-Hexanone	10.965	43	57515	40.410	ug/L		95
49) Dibromochloromethane	11.123	129	87109	25.713	ug/L		94
50) 1,2-Dibromoethane	11.233	107	74397	24.169	ug/L		94
51) Chlorobenzene	11.654	112	323023	25.927	ug/L		90
52) Ethylbenzene	11.727	91	561921	25.571	ug/L		95
53) m,p-Xylene	11.837	106	222925	26.411	ug/L		93
54) o-Xylene	12.166	106	209699	26.680	ug/L		99
55) Styrene	12.178	104	354309	26.741	ug/L		100
57) 1,1,2,2-Tetrachloroethane	12.714	83	88403	23.942	ug/L		97
59) Bromoform	12.349	173	49277	24.121	ug/L		97
60) Isopropylbenzene	12.458	105	580151	24.630	ug/L		99
61) 1,2,3-Trichloropropane	12.763	75	59474	21.382	ug/L		99
62) 1,3,5-Trimethylbenzene	12.940	105	471538	25.043	ug/L		99
63) 1,2,4-Trimethylbenzene	13.245	105	458418	24.733	ug/L		100
64) 1,3-Dichlorobenzene	13.495	146	254540	25.008	ug/L		82
65) 1,4-Dichlorobenzene	13.574	146	251236	24.573	ug/L		97
67) 1,2-Dichlorobenzene	13.867	146	222811	25.173	ug/L	#	89
68) 1,2-Dibromo-3-chloropr...	14.482	75	11570	20.821	ug/L	#	86
69) 1,3,5-Trichlorobenzene	14.617	180	179174	25.299	ug/L		97
70) 1,2,4-trichlorobenzene	15.123	180	144035	24.765	ug/L		95
71) Naphthalene	15.354	128	239628	23.250	ug/L		100
72) 1,2,3-Trichlorobenzene	15.549	180	121171	24.918	ug/L		99

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

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