Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121423\
Data File : VW027615.D
Acq On : 14 Dec 2023 08:55
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025563

Quant Time: Dec 15 03:25:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Dec 13 04:25:58 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	237049	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	217216	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	111423	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	87291	18.299	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 73.200%			
7) Chloroethane-d5	2.905	69	72138	20.861	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 83.440%			
11) 1,1-Dichloroethene-d2	4.027	65	41668	20.643	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 82.560%			
21) 2-Butanone-d5	7.081	46	58308	46.647	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 93.300%			
24) Chloroform-d	7.648	84	179096	25.311	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 101.240%			
26) 1,2-Dichloroethane-d4	8.307	65	90358	24.972	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.880%			
32) Benzene-d6	8.276	84	352677	23.052	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 92.200%			
36) 1,2-Dichloropropane-d6	9.276	67	113521	25.170	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 100.680%			
41) Toluene-d8	10.325	98	298838	22.325	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 89.320%			
43) trans-1,3-Dichloroprop...	10.581	79	40095	22.989	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 91.960%			
47) 2-Hexanone-d5	10.922	63	40285	47.939	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 95.880%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	89527	24.133	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 96.520%			
66) 1,2-Dichlorobenzene-d4	13.854	152	96980	24.830	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 99.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	80020	25.211	ug/L	95
3) Chloromethane	2.228	50	105665	27.182	ug/L	100
5) Vinyl chloride	2.375	62	118564	26.148	ug/L	97
6) Bromomethane	2.795	94	66330	27.874	ug/L	99
8) Chloroethane	2.942	64	69650	26.894	ug/L	90
9) Trichlorofluoromethane	3.277	101	115032	26.488	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.088	101	86907	23.468	ug/L	94
12) 1,1-Dichloroethene	4.051	96	88035	26.037	ug/L	86
13) Acetone	4.131	43	65209	54.115	ug/L	99
14) Carbon disulfide	4.393	76	288520	28.237	ug/L	99
15) Methyl Acetate	4.673	43	46841	22.242	ug/L	99
16) Methylene chloride	4.923	84	98151	25.391	ug/L	96
17) trans-1,2-Dichloroethene	5.435	96	94373	27.069	ug/L	96
18) Methyl tert-butyl Ether	5.429	73	157852	28.070	ug/L #	84
19) 1,1-Dichloroethane	6.222	63	190463	26.863	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	101639	27.146	ug/L	97
22) 2-Butanone	7.173	43	73679	47.395	ug/L	97
23) Bromochloromethane	7.514	128	40776	27.689	ug/L	97
25) Chloroform	7.679	83	180171	27.987	ug/L	90

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.398	62	113631	27.310	ug/L		99
29) Cyclohexane	7.959	56	186732	26.149	ug/L		99
30) 1,1,1-Trichloroethane	7.874	97	153740	25.372	ug/L		100
31) Carbon tetrachloride	8.069	117	131754	24.929	ug/L		99
33) Benzene	8.325	78	403317	26.902	ug/L		100
34) Trichloroethene	9.093	95	103687	25.321	ug/L		92
35) Methylcyclohexane	9.337	83	191426	26.253	ug/L		100
37) 1,2-Dichloropropane	9.367	63	106434	26.889	ug/L		98
38) Bromodichloromethane	9.642	83	122621	26.797	ug/L		98
39) cis-1,3-Dichloropropene	10.075	75	155651	27.240	ug/L		99
40) 4-Methyl-2-pentanone	10.209	43	126321	47.213	ug/L		99
42) Toluene	10.386	91	419086	26.430	ug/L		98
44) trans-1,3-Dichloropropene	10.605	75	124038	26.909	ug/L		98
45) 1,1,2-Trichloroethane	10.788	97	70321	25.510	ug/L		97
46) Tetrachloroethene	10.861	164	73215	25.080	ug/L		95
48) 2-Hexanone	10.965	43	100067	53.068	ug/L		99
49) Dibromochloromethane	11.129	129	71344	26.182	ug/L		97
50) 1,2-Dibromoethane	11.233	107	65516	25.977	ug/L		99
51) Chlorobenzene	11.654	112	256030	26.764	ug/L		98
52) Ethylbenzene	11.727	91	478992	26.593	ug/L		96
53) m,p-Xylene	11.837	106	175811	26.490	ug/L		97
54) o-Xylene	12.166	106	166081	27.532	ug/L		93
55) Styrene	12.178	104	284032	27.587	ug/L		99
57) 1,1,2,2-Tetrachloroethane	12.714	83	87472	24.374	ug/L		98
59) Bromoform	12.349	173	38071	24.396	ug/L		97
60) Isopropylbenzene	12.458	105	479911	26.086	ug/L		99
61) 1,2,3-Trichloropropane	12.763	75	63490	23.624	ug/L		98
62) 1,3,5-Trimethylbenzene	12.940	105	356387	26.192	ug/L		100
63) 1,2,4-Trimethylbenzene	13.245	105	356066	26.275	ug/L		100
64) 1,3-Dichlorobenzene	13.495	146	178890	25.386	ug/L		99
65) 1,4-Dichlorobenzene	13.574	146	183912	26.166	ug/L		98
67) 1,2-Dichlorobenzene	13.867	146	170575	26.868	ug/L		99
68) 1,2-Dibromo-3-chloropr...	14.482	75	13243	20.486	ug/L	#	87
69) 1,3,5-Trichlorobenzene	14.623	180	119908	25.305	ug/L		96
70) 1,2,4-trichlorobenzene	15.129	180	102037	27.730	ug/L		92
71) Naphthalene	15.354	128	191870	24.790	ug/L		100
72) 1,2,3-Trichlorobenzene	15.549	180	84975	26.958	ug/L		99

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

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