Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041724\
Data File : VW028463.D
Acq On : 17 Apr 2024 09:40
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025554

Quant Time: Apr 18 02:15:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040824SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Apr 17 05:34:21 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	315761	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	288840	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	138369	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	100775	19.908	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 79.640%			
7) Chloroethane-d5	2.899	69	82751	21.568	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.280%			
11) 1,1-Dichloroethene-d2	4.021	65	44025	20.537	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 82.160%			
21) 2-Butanone-d5	7.075	46	46726	49.327	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 98.660%			
24) Chloroform-d	7.648	84	199838	24.253	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 97.000%			
26) 1,2-Dichloroethane-d4	8.307	65	104081	24.307	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.240%			
32) Benzene-d6	8.270	84	368013	23.323	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 93.280%			
36) 1,2-Dichloropropane-d6	9.270	67	111753	23.827	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 95.320%			
41) Toluene-d8	10.319	98	338327	23.580	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 94.320%			
43) trans-1,3-Dichloroprop...	10.575	79	44130	23.663	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 94.640%			
47) 2-Hexanone-d5	10.922	63	32571	50.133	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 100.260%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	84504	25.536	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 102.160%			
66) 1,2-Dichlorobenzene-d4	13.848	152	109009	24.911	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 99.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	88890	20.931	ug/L	90
3) Chloromethane	2.223	50	118384	23.742	ug/L	99
5) Vinyl chloride	2.375	62	138131	23.262	ug/L	97
6) Bromomethane	2.789	94	83247	22.438	ug/L	98
8) Chloroethane	2.936	64	82331	23.000	ug/L	95
9) Trichlorofluoromethane	3.265	101	115762	24.437	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	106818	23.968	ug/L	98
12) 1,1-Dichloroethene	4.051	96	99800	23.850	ug/L	87
13) Acetone	4.119	43	55502	47.719	ug/L	97
14) Carbon disulfide	4.393	76	313385	22.747	ug/L	99
15) Methyl Acetate	4.667	43	45008	24.050	ug/L	99
16) Methylene chloride	4.917	84	105975	22.180	ug/L	98
17) trans-1,2-Dichloroethene	5.423	96	107744	24.443	ug/L	92
18) Methyl tert-butyl Ether	5.423	73	152364	24.573	ug/L	100
19) 1,1-Dichloroethane	6.216	63	211860	24.669	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	116022	24.800	ug/L	96
22) 2-Butanone	7.173	43	65951	46.723	ug/L	95
23) Bromochloromethane	7.520	128	47733	23.688	ug/L	90
25) Chloroform	7.679	83	211860	25.113	ug/L	94

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040824SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Apr 17 05:34:21 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	142095	24.403	ug/L	99
29) Cyclohexane	7.959	56	194400	25.480	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	173072	24.706	ug/L	99
31) Carbon tetrachloride	8.069	117	156543	25.200	ug/L	99
33) Benzene	8.325	78	456810	25.295	ug/L	100
34) Trichloroethene	9.093	95	120422	24.606	ug/L	98
35) Methylcyclohexane	9.331	83	211480	25.322	ug/L	98
37) 1,2-Dichloropropane	9.368	63	115743	24.590	ug/L	100
38) Bromodichloromethane	9.642	83	145106	24.872	ug/L	100
39) cis-1,3-Dichloropropene	10.075	75	173532	25.141	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	123721	52.508	ug/L	99
42) Toluene	10.386	91	478202	24.995	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	140182	25.105	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	79536	24.977	ug/L	96
46) Tetrachloroethene	10.861	164	90082	24.642	ug/L	84
48) 2-Hexanone	10.965	43	94947	50.765	ug/L	99
49) Dibromochloromethane	11.129	129	83025	24.393	ug/L	97
50) 1,2-Dibromoethane	11.233	107	72629	24.989	ug/L	95
51) Chlorobenzene	11.654	112	289308	24.328	ug/L	97
52) Ethylbenzene	11.727	91	552838	25.491	ug/L	97
53) m,p-Xylene	11.837	106	204514	25.358	ug/L	89
54) o-Xylene	12.160	106	188445	25.094	ug/L	92
55) Styrene	12.178	104	331684	25.952	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.708	83	91770	25.465	ug/L	99
59) Bromoform	12.349	173	47120	25.798	ug/L	98
60) Isopropylbenzene	12.458	105	535322	25.806	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	65258	25.796	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	356981	27.000	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	429630	27.001	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	219431	24.930	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	228098	25.475	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	204195	26.374	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.476	75	14107	24.335	ug/L	92
69) 1,3,5-Trichlorobenzene	14.623	180	149220	24.637	ug/L	98
70) 1,2,4-trichlorobenzene	15.123	180	124939	26.415	ug/L	97
71) Naphthalene	15.360	128	223175	26.661	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	109028	25.977	ug/L	98

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

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