Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW030824\
Data File : VW028141.D
Acq On : 08 Mar 2024 12:08
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025509

Quant Time: Mar 08 22:42:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022924SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Mar 08 22:41:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	240945	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	228682	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	121316	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	64646	22.476	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.920%			
7) Chloroethane-d5	2.893	69	38830	17.428	ug/L	-0.01
Spiked Amount 25.000	Range 30 - 150		Recovery = 69.720%			
11) 1,1-Dichloroethene-d2	4.027	65	26720	22.744	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 90.960%			
21) 2-Butanone-d5	7.075	46	24608	59.977	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 119.960%			
24) Chloroform-d	7.648	84	136832	26.812	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 107.240%			
26) 1,2-Dichloroethane-d4	8.301	65	65308	27.497	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 110.000%			
32) Benzene-d6	8.270	84	262696	24.607	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 98.440%			
36) 1,2-Dichloropropane-d6	9.270	67	71375	25.877	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 103.520%			
41) Toluene-d8	10.319	98	250019	24.852	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 99.400%			
43) trans-1,3-Dichloroprop...	10.575	79	32146	26.596	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 106.400%			
47) 2-Hexanone-d5	10.922	63	23079	59.405	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 118.800%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	61836	28.405	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 113.640%			
66) 1,2-Dichlorobenzene-d4	13.848	152	91344	25.317	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 101.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	56329	22.883	ug/L	93
3) Chloromethane	2.222	50	53827	22.998	ug/L	98
5) Vinyl chloride	2.375	62	80807	24.775	ug/L	100
6) Bromomethane	2.789	94	61198	23.518	ug/L	97
8) Chloroethane	2.930	64	28126	13.731	ug/L	96
9) Trichlorofluoromethane	3.271	101	64523	21.209	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	76205	24.094	ug/L #	85
12) 1,1-Dichloroethene	4.051	96	71307	23.807	ug/L	99
13) Acetone	4.118	43	25667	44.756	ug/L	96
14) Carbon disulfide	4.393	76	212806	23.324	ug/L	98
15) Methyl Acetate	4.673	43	22381	27.611	ug/L	96
16) Methylene chloride	4.917	84	78136	23.575	ug/L	99
17) trans-1,2-Dichloroethene	5.429	96	79138	24.727	ug/L	96
18) Methyl tert-butyl Ether	5.429	73	105781	26.988	ug/L	99
19) 1,1-Dichloroethane	6.216	63	130744	25.836	ug/L	97
20) cis-1,2-Dichloroethene	7.167	96	88743	26.348	ug/L	98
22) 2-Butanone	7.173	43	31234	48.766	ug/L	98
23) Bromochloromethane	7.514	128	40807	25.807	ug/L	96
25) Chloroform	7.679	83	144977	25.649	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	91153	27.120	ug/L	99
29) Cyclohexane	7.959	56	104696	23.808	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	125278	24.536	ug/L	99
31) Carbon tetrachloride	8.069	117	119359	25.033	ug/L	98
33) Benzene	8.319	78	303885	24.597	ug/L	100
34) Trichloroethene	9.093	95	88480	24.443	ug/L	95
35) Methylcyclohexane	9.331	83	140713	24.018	ug/L	100
37) 1,2-Dichloropropane	9.367	63	72670	25.259	ug/L	100
38) Bromodichloromethane	9.642	83	106321	25.585	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	121465	25.673	ug/L	95
40) 4-Methyl-2-pentanone	10.209	43	63218	55.323	ug/L	98
42) Toluene	10.386	91	349988	25.071	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	101405	26.384	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	60863	25.225	ug/L	95
46) Tetrachloroethene	10.855	164	72233	23.809	ug/L	94
48) 2-Hexanone	10.965	43	46765	50.614	ug/L	99
49) Dibromochloromethane	11.123	129	71213	25.388	ug/L	89
50) 1,2-Dibromoethane	11.233	107	60084	25.854	ug/L	86
51) Chlorobenzene	11.654	112	232600	24.972	ug/L	95
52) Ethylbenzene	11.727	91	394259	24.703	ug/L	96
53) m,p-Xylene	11.837	106	157539	25.441	ug/L	98
54) o-Xylene	12.160	106	147124	25.105	ug/L	97
55) Styrene	12.178	104	254455	25.459	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.708	83	67988	26.132	ug/L	91
59) Bromoform	12.343	173	41626	24.203	ug/L	98
60) Isopropylbenzene	12.458	105	415815	24.984	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	46481	24.924	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	275329	25.232	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	329830	25.347	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	190604	24.780	ug/L	93
65) 1,4-Dichlorobenzene	13.574	146	198092	25.509	ug/L	97
67) 1,2-Dichlorobenzene	13.861	146	170787	24.649	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	10384	26.511	ug/L	91
69) 1,3,5-Trichlorobenzene	14.623	180	134795	23.747	ug/L	96
70) 1,2,4-trichlorobenzene	15.129	180	115299	25.293	ug/L	95
71) Naphthalene	15.360	128	209147	28.053	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	100536	26.373	ug/L	94

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

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