Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051624\
Data File : VW028615.D
Acq On : 16 May 2024 09:33
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025580

Quant Time: May 17 00:58:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0
QLast Update : Thu May 16 02:15:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	274793	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	257959	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	131039	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	100915	19.339	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 77.360%			
7) Chloroethane-d5	2.905	69	85196	21.323	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.280%			
11) 1,1-Dichloroethene-d2	4.021	65	44008	20.186	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 80.760%			
21) 2-Butanone-d5	7.075	46	59682	43.839	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 87.680%			
24) Chloroform-d	7.648	84	204738	23.844	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 95.360%			
26) 1,2-Dichloroethane-d4	8.307	65	115253	23.446	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.800%			
32) Benzene-d6	8.276	84	385363	22.391	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 89.560%			
36) 1,2-Dichloropropane-d6	9.270	67	120135	23.197	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 92.800%			
41) Toluene-d8	10.325	98	345934	22.697	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 90.800%			
43) trans-1,3-Dichloroprop...	10.575	79	48751	23.400	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 93.600%			
47) 2-Hexanone-d5	10.922	63	40672	45.534	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 91.060%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	99269	22.859	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 91.440%			
66) 1,2-Dichlorobenzene-d4	13.848	152	109327	21.890	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 87.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	97490	24.413	ug/L	95
3) Chloromethane	2.222	50	114753	23.196	ug/L	96
5) Vinyl chloride	2.375	62	132803	23.844	ug/L	100
6) Bromomethane	2.789	94	78054	24.226	ug/L	100
8) Chloroethane	2.936	64	78980	24.864	ug/L	98
9) Trichlorofluoromethane	3.271	101	98674	21.579	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	93063	22.074	ug/L	88
12) 1,1-Dichloroethene	4.051	96	91171	24.107	ug/L	90
13) Acetone	4.118	43	67365	54.393	ug/L	97
14) Carbon disulfide	4.399	76	291189	22.782	ug/L	99
15) Methyl Acetate	4.673	43	48305	22.419	ug/L	100
16) Methylene chloride	4.923	84	99261	23.356	ug/L	95
17) trans-1,2-Dichloroethene	5.435	96	97794	24.838	ug/L	93
18) Methyl tert-butyl Ether	5.429	73	145645	25.066	ug/L	100
19) 1,1-Dichloroethane	6.222	63	197828	25.338	ug/L	97
20) cis-1,2-Dichloroethene	7.167	96	105293	25.553	ug/L	97
22) 2-Butanone	7.173	43	75682	47.610	ug/L	98
23) Bromochloromethane	7.514	128	46221	25.715	ug/L	98
25) Chloroform	7.679	83	197230	26.117	ug/L	94

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Quant Title : SFAM01.0
QLast Update : Thu May 16 02:15:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	141703	25.813	ug/L	98
29) Cyclohexane	7.959	56	174271	23.694	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	161087	24.920	ug/L	100
31) Carbon tetrachloride	8.069	117	142884	24.243	ug/L	100
33) Benzene	8.325	78	422589	25.263	ug/L	100
34) Trichloroethene	9.093	95	109737	24.468	ug/L	95
35) Methylcyclohexane	9.331	83	189690	24.202	ug/L	100
37) 1,2-Dichloropropane	9.368	63	112466	25.802	ug/L	99
38) Bromodichloromethane	9.642	83	141105	26.557	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	168249	26.931	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	142684	48.097	ug/L	99
42) Toluene	10.386	91	450958	26.102	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	140790	26.728	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	78082	24.729	ug/L	97
46) Tetrachloroethene	10.861	164	78546	24.308	ug/L	98
48) 2-Hexanone	10.965	43	112024	53.488	ug/L	99
49) Dibromochloromethane	11.123	129	83314	26.306	ug/L	98
50) 1,2-Dibromoethane	11.233	107	73294	24.780	ug/L	91
51) Chlorobenzene	11.654	112	274240	25.661	ug/L	98
52) Ethylbenzene	11.727	91	505492	25.854	ug/L	96
53) m,p-Xylene	11.837	106	189466	26.436	ug/L	100
54) o-Xylene	12.160	106	178052	26.854	ug/L	98
55) Styrene	12.178	104	307158	27.340	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.708	83	98454	24.853	ug/L	99
59) Bromoform	12.349	173	47197	24.688	ug/L	98
60) Isopropylbenzene	12.458	105	502189	25.260	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	72764	22.977	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	370046	26.308	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	398147	26.271	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	206361	24.952	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	212800	25.168	ug/L	93
67) 1,2-Dichlorobenzene	13.861	146	189262	25.568	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	15722	21.233	ug/L	94
69) 1,3,5-Trichlorobenzene	14.623	180	132926	23.952	ug/L	95
70) 1,2,4-trichlorobenzene	15.129	180	115482	25.753	ug/L	98
71) Naphthalene	15.360	128	237217	24.830	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	103939	25.687	ug/L	98

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

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