Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051524\
Data File : VW028613.D
Acq On : 15 May 2024 17:31
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025579

Quant Time: May 16 02:18:36 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	281406	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	268911	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	135830	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	106560	19.941	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 79.760%			
7) Chloroethane-d5	2.905	69	91306	22.315	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.280%			
11) 1,1-Dichloroethene-d2	4.027	65	46917	21.014	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 84.040%			
21) 2-Butanone-d5	7.075	46	58587	42.024	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 84.040%			
24) Chloroform-d	7.654	84	221072	25.142	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 100.560%			
26) 1,2-Dichloroethane-d4	8.307	65	121976	24.230	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.920%			
32) Benzene-d6	8.276	84	421653	23.502	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 94.000%			
36) 1,2-Dichloropropane-d6	9.276	67	129556	23.997	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 96.000%			
41) Toluene-d8	10.325	98	381515	24.012	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 96.040%			
43) trans-1,3-Dichloroprop...	10.575	79	50935	23.452	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 93.800%			
47) 2-Hexanone-d5	10.922	63	39804	42.747	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 85.500%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	103158	22.787	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 91.160%			
66) 1,2-Dichlorobenzene-d4	13.848	152	123787	23.911	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 95.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	79013	19.321	ug/L	94
3) Chloromethane	2.222	50	106286	20.979	ug/L	98
5) Vinyl chloride	2.375	62	120178	21.070	ug/L	99
6) Bromomethane	2.795	94	74399	22.549	ug/L	97
8) Chloroethane	2.942	64	74455	22.889	ug/L	97
9) Trichlorofluoromethane	3.271	101	93014	19.863	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	86162	19.957	ug/L	94
12) 1,1-Dichloroethene	4.051	96	83743	21.623	ug/L	93
13) Acetone	4.124	43	37850	29.843	ug/L	96
14) Carbon disulfide	4.399	76	266298	20.345	ug/L	99
15) Methyl Acetate	4.673	43	43420	19.678	ug/L	99
16) Methylene chloride	4.917	84	95487	21.940	ug/L	95
17) trans-1,2-Dichloroethene	5.429	96	90050	22.333	ug/L	97
18) Methyl tert-butyl Ether	5.429	73	139317	23.414	ug/L	100
19) 1,1-Dichloroethane	6.222	63	188690	23.599	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	100617	23.844	ug/L	93
22) 2-Butanone	7.173	43	53727	33.004	ug/L	100
23) Bromochloromethane	7.514	128	44310	24.072	ug/L	95
25) Chloroform	7.679	83	189862	24.551	ug/L	99

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0
QLast Update : Thu May 16 02:15:20 2024
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.398	62	134206	23.873	ug/L		100
29) Cyclohexane	7.959	56	156822	20.453	ug/L		99
30) 1,1,1-Trichloroethane	7.874	97	145206	21.548	ug/L		99
31) Carbon tetrachloride	8.075	117	128486	20.912	ug/L		99
33) Benzene	8.325	78	400877	22.989	ug/L		100
34) Trichloroethene	9.093	95	102258	21.872	ug/L		96
35) Methylcyclohexane	9.337	83	167725	20.528	ug/L		100
37) 1,2-Dichloropropane	9.367	63	106441	23.425	ug/L		99
38) Bromodichloromethane	9.642	83	133481	24.099	ug/L		98
39) cis-1,3-Dichloropropene	10.075	75	155586	23.890	ug/L		98
40) 4-Methyl-2-pentanone	10.209	43	121184	39.186	ug/L		99
42) Toluene	10.386	91	426916	23.704	ug/L		96
44) trans-1,3-Dichloropropene	10.605	75	128032	23.316	ug/L		98
45) 1,1,2-Trichloroethane	10.782	97	71970	21.865	ug/L		98
46) Tetrachloroethene	10.861	164	71357	21.184	ug/L		96
48) 2-Hexanone	10.965	43	84506	38.706	ug/L		98
49) Dibromochloromethane	11.129	129	77130	23.362	ug/L		96
50) 1,2-Dibromoethane	11.233	107	67347	21.842	ug/L	#	100
51) Chlorobenzene	11.654	112	260293	23.364	ug/L		97
52) Ethylbenzene	11.727	91	478501	23.477	ug/L		96
53) m,p-Xylene	11.837	106	176794	23.663	ug/L		93
54) o-Xylene	12.166	106	165777	23.985	ug/L		99
55) Styrene	12.178	104	293900	25.095	ug/L		99
57) 1,1,2,2-Tetrachloroethane	12.708	83	86138	20.858	ug/L		94
59) Bromoform	12.349	173	43148	21.774	ug/L		98
60) Isopropylbenzene	12.458	105	467286	22.676	ug/L		100
61) 1,2,3-Trichloropropane	12.763	75	63251	19.268	ug/L		99
62) 1,3,5-Trimethylbenzene	12.940	105	345231	23.678	ug/L		99
63) 1,2,4-Trimethylbenzene	13.245	105	376702	23.979	ug/L		97
64) 1,3-Dichlorobenzene	13.495	146	195077	22.756	ug/L		93
65) 1,4-Dichlorobenzene	13.574	146	202480	23.102	ug/L		95
67) 1,2-Dichlorobenzene	13.867	146	175626	22.889	ug/L		99
68) 1,2-Dibromo-3-chloropr...	14.476	75	13444	17.516	ug/L		96
69) 1,3,5-Trichlorobenzene	14.623	180	124686	21.675	ug/L		99
70) 1,2,4-trichlorobenzene	15.129	180	108828	23.413	ug/L		95
71) Naphthalene	15.360	128	204374	20.638	ug/L		99
72) 1,2,3-Trichlorobenzene	15.543	180	95371	22.739	ug/L		98

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

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