Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052424\
Data File : VW028725.D
Acq On : 24 May 2024 11:21
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025592

Quant Time: May 24 23:49:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0
QLast Update : Fri May 24 00:17:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	293607	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	268203	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	143760	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	141891	25.449	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 101.800%			
7) Chloroethane-d5	2.899	69	109741	25.706	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 102.840%			
11) 1,1-Dichloroethene-d2	4.027	65	60226	25.855	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 103.400%			
21) 2-Butanone-d5	7.075	46	58637	40.312	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 80.620%			
24) Chloroform-d	7.648	84	258114	28.135	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 112.520%			
26) 1,2-Dichloroethane-d4	8.306	65	138113	26.296	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.200%			
32) Benzene-d6	8.270	84	521159	29.124	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 116.480%			
36) 1,2-Dichloropropane-d6	9.276	67	155538	28.886	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 115.560%			
41) Toluene-d8	10.324	98	467063	29.474	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 117.880%			
43) trans-1,3-Dichloroprop...	10.574	79	60193	27.788	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 111.160%			
47) 2-Hexanone-d5	10.922	63	41631	44.827	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 89.660%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	111688	24.736	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 98.960%			
66) 1,2-Dichlorobenzene-d4	13.848	152	150231	27.418	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 109.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	96275	22.564	ug/L	93
3) Chloromethane	2.222	50	122063	23.092	ug/L	97
5) Vinyl chloride	2.375	62	143918	24.184	ug/L	97
6) Bromomethane	2.795	94	85783	24.918	ug/L	97
8) Chloroethane	2.936	64	86592	25.514	ug/L	98
9) Trichlorofluoromethane	3.271	101	113259	23.181	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	123557	27.429	ug/L	97
12) 1,1-Dichloroethene	4.051	96	109333	27.057	ug/L	82
13) Acetone	4.118	43	47957	36.241	ug/L	96
14) Carbon disulfide	4.393	76	327025	23.946	ug/L	100
15) Methyl Acetate	4.673	43	50728	22.034	ug/L	100
16) Methylene chloride	4.923	84	122829	27.050	ug/L	91
17) trans-1,2-Dichloroethene	5.429	96	115082	27.356	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	162925	26.243	ug/L	99
19) 1,1-Dichloroethane	6.215	63	233591	28.001	ug/L	96
20) cis-1,2-Dichloroethene	7.173	96	127587	28.979	ug/L	93
22) 2-Butanone	7.173	43	65016	38.279	ug/L	97
23) Bromochloromethane	7.514	128	54796	28.532	ug/L	97
25) Chloroform	7.672	83	232740	28.844	ug/L	97

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0
QLast Update : Fri May 24 00:17:02 2024
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.398	62	154366	26.318	ug/L		99
29) Cyclohexane	7.959	56	197520	25.829	ug/L		99
30) 1,1,1-Trichloroethane	7.874	97	182493	27.153	ug/L		99
31) Carbon tetrachloride	8.069	117	165445	26.999	ug/L		99
33) Benzene	8.325	78	502288	28.881	ug/L		100
34) Trichloroethene	9.093	95	131203	28.137	ug/L		96
35) Methylcyclohexane	9.337	83	219791	26.972	ug/L		98
37) 1,2-Dichloropropane	9.367	63	132226	29.177	ug/L		99
38) Bromodichloromethane	9.642	83	161947	29.315	ug/L		98
39) cis-1,3-Dichloropropene	10.074	75	192255	29.598	ug/L		100
40) 4-Methyl-2-pentanone	10.209	43	143801	46.622	ug/L		99
42) Toluene	10.385	91	528937	29.446	ug/L		100
44) trans-1,3-Dichloropropene	10.605	75	155790	28.446	ug/L		99
45) 1,1,2-Trichloroethane	10.782	97	91545	27.885	ug/L		95
46) Tetrachloroethene	10.861	164	97596	29.050	ug/L		98
48) 2-Hexanone	10.965	43	98463	45.217	ug/L		98
49) Dibromochloromethane	11.123	129	97011	29.461	ug/L		93
50) 1,2-Dibromoethane	11.233	107	82983	26.984	ug/L	#	99
51) Chlorobenzene	11.653	112	329364	29.642	ug/L		98
52) Ethylbenzene	11.727	91	601129	29.571	ug/L		95
53) m,p-Xylene	11.836	106	220943	29.651	ug/L		94
54) o-Xylene	12.166	106	216091	31.347	ug/L		94
55) Styrene	12.178	104	376591	32.240	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.708	83	108192	26.268	ug/L		92
59) Bromoform	12.348	173	52045	24.815	ug/L		98
60) Isopropylbenzene	12.458	105	584955	26.820	ug/L		99
61) 1,2,3-Trichloropropane	12.763	75	76391	21.988	ug/L		99
62) 1,3,5-Trimethylbenzene	12.940	105	437490	28.351	ug/L		97
63) 1,2,4-Trimethylbenzene	13.245	105	476933	28.684	ug/L		97
64) 1,3-Dichlorobenzene	13.495	146	250319	27.589	ug/L		95
65) 1,4-Dichlorobenzene	13.574	146	250929	27.051	ug/L		87
67) 1,2-Dichlorobenzene	13.866	146	220006	27.092	ug/L		96
68) 1,2-Dibromo-3-chloropr...	14.476	75	16214	19.960	ug/L		96
69) 1,3,5-Trichlorobenzene	14.622	180	171072	28.098	ug/L		99
70) 1,2,4-trichlorobenzene	15.128	180	137642	27.979	ug/L		96
71) Naphthalene	15.360	128	249980	23.850	ug/L		100
72) 1,2,3-Trichlorobenzene	15.549	180	126765	28.556	ug/L		95

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

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