Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112524\
Data File : VU062031.D
Acq On : 25 Nov 2024 18:37
Operator : MD/SY
Sample : P4996-03MSD
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHF70MSD

Quant Time: Nov 26 03:48:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR112024WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 25 01:25:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	131819	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	125290	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	63820	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	29534	4.568	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 91.400%			
7) Chloroethane-d5	1.907	69	22543	3.941	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 78.800%			
11) 1,1-Dichloroethene-d2	2.560	65	13379	5.179	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 103.600%			
20) 2-Butanone-d5	4.618	46	65471	32.245	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 64.480%			
24) Chloroform-d	5.052	84	67992	4.310	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 86.200%			
26) 1,2-Dichloroethane-d4	5.692	65	32234	3.971	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 79.400%			
32) Benzene-d6	5.717	84	121995	4.998	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 100.000%			
36) 1,2-Dichloropropane-d6	6.682	67	36195	4.364	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 87.200%			
41) Toluene-d8	7.888	98	115399	5.668	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 113.400%			
43) trans-1,3-Dichloroprop...	8.174	79	15291	4.980	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 99.600%			
46) 2-Hexanone-d5	8.624	63	46923	33.479	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 66.960%			
56) 1,1,2,2-Tetrachloroeth...	10.746	84	29642	3.576	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 71.600%			
66) 1,2-Dichlorobenzene-d4	12.183	152	41177	4.363	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 87.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	61015	5.290	ug/L	99
3) Chloromethane	1.515	50	49563	4.169	ug/L	99
5) Vinyl chloride	1.599	62	52043	4.261	ug/L	97
6) Bromomethane	1.849	94	32285	4.441	ug/L	98
8) Chloroethane	1.927	64	31184	3.960	ug/L	98
9) Trichlorofluoromethane	2.132	101	82827	5.361	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	46229	4.863	ug/L	91
12) 1,1-Dichloroethene	2.573	96	42753	4.836	ug/L	91
13) Acetone	2.621	43	60157	42.911	ug/L	93
14) Carbon disulfide	2.785	76	127197	4.523	ug/L	98
15) Methyl Acetate	2.946	43	15446	4.291	ug/L	97
16) Methylene chloride	3.036	84	46424	4.374	ug/L	92
17) Methyl tert-butyl Ether	3.354	73	110460	4.875	ug/L	98
18) trans-1,2-Dichloroethene	3.345	96	43555	4.661	ug/L	99
19) 1,1-Dichloroethane	3.859	63	83435	4.583	ug/L	98
21) 2-Butanone	4.692	43	96911	42.773	ug/L	96
22) cis-1,2-Dichloroethene	4.656	96	51118	4.860	ug/L	97
23) Bromochloromethane	4.962	128	23149	5.064	ug/L #	86
25) Chloroform	5.074	83	91309	4.798	ug/L	99

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR112024WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 25 01:25:39 2024
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	5.785	62	55870	4.564	ug/L		98
29) 1,1,1-Trichloroethane	5.306	97	83176	5.760	ug/L		95
30) Cyclohexane	5.377	56	72970	4.831	ug/L		96
31) Carbon tetrachloride	5.515	117	74811	6.101	ug/L		98
33) Benzene	5.766	78	192262	5.081	ug/L		100
34) Trichloroethene	6.534	95	61127	6.053	ug/L		97
35) Methylcyclohexane	6.753	83	79532	5.148	ug/L		98
37) 1,2-Dichloropropane	6.782	63	48759	4.960	ug/L		99
38) Bromodichloromethane	7.097	83	63591	5.334	ug/L		97
39) cis-1,3-Dichloropropene	7.598	75	72584	5.266	ug/L		97
40) 4-Methyl-2-pentanone	7.779	43	245815	46.345	ug/L		93
42) Toluene	7.959	91	208466	5.250	ug/L		98
44) trans-1,3-Dichloropropene	8.203	75	60165	5.496	ug/L		96
45) 1,1,2-Trichloroethane	8.389	97	37363	5.159	ug/L		97
47) Tetrachloroethene	8.544	164	40836	5.560	ug/L		96
48) 2-Hexanone	8.676	43	176625	44.465	ug/L	#	96
49) Dibromochloromethane	8.801	129	43270	5.656	ug/L		94
50) 1,2-Dibromoethane	8.914	107	35549	4.946	ug/L		97
51) Chlorobenzene	9.438	112	132198	4.861	ug/L		96
52) Ethylbenzene	9.563	91	230385	4.848	ug/L		99
53) m,p-Xylene	9.685	106	86391	5.152	ug/L		98
54) o-Xylene	10.090	106	83535	4.936	ug/L		97
55) Styrene	10.106	104	113373	4.066	ug/L		95
57) 1,1,2,2-Tetrachloroethane	10.772	83	43644	4.703	ug/L		98
59) Bromoform	10.283	173	25283	5.329	ug/L		99
60) Isopropylbenzene	10.476	105	231402	4.650	ug/L		99
61) 1,2,3-Trichloropropane	10.814	75	30446	4.126	ug/L		96
62) 1,3,5-Trimethylbenzene	11.081	105	190300	4.794	ug/L		100
63) 1,2,4-Trimethylbenzene	11.460	105	187964	4.749	ug/L		100
64) 1,3-Dichlorobenzene	11.737	146	103687	4.694	ug/L		99
65) 1,4-Dichlorobenzene	11.827	146	102112	4.776	ug/L		99
67) 1,2-Dichlorobenzene	12.203	146	96887	5.043	ug/L		99
68) 1,2-Dibromo-3-chloropr...	12.987	75	6657	5.287	ug/L		92
69) 1,3,5-Trichlorobenzene	13.209	180	74497	5.667	ug/L		98
70) 1,2,4-trichlorobenzene	13.833	180	60539	6.009	ug/L		97
71) Naphthalene	14.081	128	88327	5.440	ug/L		99
72) 1,2,3-Trichlorobenzene	14.322	180	53434	6.158	ug/L		100

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

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