Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042224\
Data File : VV035322.D
Acq On : 22 Apr 2024 10:00
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD050332

Quant Time: Apr 23 00:23:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 19 22:28:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	434892	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	440362	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	245630	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	203970	48.565	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 97.120%			
7) Chloroethane-d5	1.536	69	166472	45.634	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.260%			
11) 1,1-Dichloroethene-d2	2.060	65	83309	45.250	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.500%			
21) 2-Butanone-d5	3.789	46	210536	84.521	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 84.520%			
24) Chloroform-d	4.246	84	353210	50.019	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.040%			
26) 1,2-Dichloroethane-d4	4.937	65	211340	47.139	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.280%			
32) Benzene-d6	4.957	84	697084	47.126	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.260%			
36) 1,2-Dichloropropane-d6	5.985	67	215772	45.937	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 91.880%			
41) Toluene-d8	7.239	98	650097	48.801	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.600%			
43) trans-1,3-Dichloroprop...	7.548	79	100586	44.049	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.100%			
47) 2-Hexanone-d5	8.021	63	133010	74.896	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 74.900%			
56) 1,1,2,2-Tetrachloroeth...	10.149	84	299638	46.324	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 92.640%			
66) 1,2-Dichlorobenzene-d4	11.558	152	247705	44.915	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.111	85	129897	41.211	ug/L	99
3) Chloromethane	1.217	50	148508	36.649	ug/L	99
5) Vinyl chloride	1.288	62	165283	38.908	ug/L	99
6) Bromomethane	1.494	94	90276	28.351	ug/L	97
8) Chloroethane	1.552	64	118402	40.811	ug/L	98
9) Trichlorofluoromethane	1.716	101	241697	43.350	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	158351	46.402	ug/L	98
12) 1,1-Dichloroethene	2.072	96	133919	41.031	ug/L	97
13) Acetone	2.124	43	258928	113.224	ug/L	99
14) Carbon disulfide	2.243	76	334746	36.420	ug/L	100
15) Methyl Acetate	2.375	43	188243	52.235	ug/L	98
16) Methylene chloride	2.449	84	183922	52.006	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	152067	48.190	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	548893	49.522	ug/L	99
19) 1,1-Dichloroethane	3.111	63	335318	51.818	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	182773	51.007	ug/L	95
22) 2-Butanone	3.867	43	278801	105.063	ug/L	98
23) Bromochloromethane	4.143	128	98261	54.809	ug/L	93
25) Chloroform	4.272	83	348893	54.533	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	265294	52.081	ug/L	98
29) Cyclohexane	4.580	56	225961	40.969	ug/L	98
30) 1,1,1-Trichloroethane	4.510	97	288949	50.339	ug/L	99
31) Carbon tetrachloride	4.732	117	246566	50.679	ug/L	99
33) Benzene	5.008	78	696569	48.509	ug/L	100
34) Trichloroethene	5.828	95	184379	47.578	ug/L	98
35) Methylcyclohexane	6.047	83	259298	44.304	ug/L	100
37) 1,2-Dichloropropane	6.088	63	201951	50.891	ug/L	99
38) Bromodichloromethane	6.429	83	264357	51.631	ug/L	97
39) cis-1,3-Dichloropropene	6.950	75	295292	47.237	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	490537	96.818	ug/L	99
42) Toluene	7.310	91	753889	50.147	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	288076	50.159	ug/L	98
45) 1,1,2-Trichloroethane	7.764	97	203639	54.445	ug/L	98
46) Tetrachloroethene	7.902	164	141460	52.249	ug/L	97
48) 2-Hexanone	8.072	43	424233	98.448	ug/L	97
49) Dibromochloromethane	8.172	129	201907	54.503	ug/L	99
50) 1,2-Dibromoethane	8.278	107	202780	50.357	ug/L	97
51) Chlorobenzene	8.809	112	499476	51.262	ug/L	99
52) Ethylbenzene	8.944	91	833512	50.026	ug/L	100
53) m,p-Xylene	9.069	106	310317	50.575	ug/L	99
54) o-Xylene	9.474	106	303026	49.913	ug/L	97
55) Styrene	9.490	104	559875	54.572	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	328449	54.198	ug/L	99
59) Bromoform	9.661	173	148193	52.647	ug/L	98
60) Isopropylbenzene	9.863	105	844501	47.691	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	254492	47.813	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	545105	47.399	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	689062	48.461	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	425678	51.440	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	440164	52.305	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	432233	52.432	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	61783	42.133	ug/L	93
69) 1,3,5-Trichlorobenzene	12.580	180	315313	52.869	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	276936	50.551	ug/L	99
71) Naphthalene	13.435	128	527958	34.736	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	270777	50.143	ug/L	98

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

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