

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV101424\
 Data File : VV037842.D
 Acq On : 14 Oct 2024 09:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050306

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024

Quant Time: Oct 15 02:15:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 14 06:04:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	631928	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	616213	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	340817	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	194078	34.986	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	69.980%		
7) Chloroethane-d5	1.532	69	175243	40.698	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.400%		
11) 1,1-Dichloroethene-d2	2.056	65	88883	38.351	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.700%		
21) 2-Butanone-d5	3.793	46	192446m	97.399	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.400%		
24) Chloroform-d	4.239	84	466105	47.228	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.460%		
26) 1,2-Dichloroethane-d4	4.934	65	271228	46.951	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.900%		
32) Benzene-d6	4.950	84	856653	44.426	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.860%		
36) 1,2-Dichloropropane-d6	5.982	67	278618	45.377	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.760%		
41) Toluene-d8	7.233	98	780208	44.622	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.240%		
43) trans-1,3-Dichloroprop...	7.545	79	125458	43.984	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.960%		
47) 2-Hexanone-d5	8.021	63	123457	95.220	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.220%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	352257	49.375	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.740%		
66) 1,2-Dichlorobenzene-d4	11.551	152	315935	43.992	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	230784	42.899	ug/L	100
3) Chloromethane	1.220	50	225231	43.125	ug/L	98
5) Vinyl chloride	1.285	62	245256	43.802	ug/L	99
6) Bromomethane	1.487	94	145065	46.685	ug/L	99
8) Chloroethane	1.548	64	155842	45.157	ug/L	98
9) Trichlorofluoromethane	1.712	101	355493	47.167	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	217913	48.384	ug/L	99
12) 1,1-Dichloroethene	2.069	96	194586	46.252	ug/L	81
13) Acetone	2.111	43	179234	92.535	ug/L	99
14) Carbon disulfide	2.236	76	529537	40.324	ug/L	100
15) Methyl Acetate	2.371	43	172625	51.069	ug/L	99
16) Methylene chloride	2.442	84	222744	46.760	ug/L	98
17) trans-1,2-Dichloroethene	2.686	96	205252	46.117	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	647880	50.738	ug/L	99
19) 1,1-Dichloroethane	3.101	63	417739	48.988	ug/L	100
20) cis-1,2-Dichloroethene	3.805	96	238841	47.955	ug/L	99
22) 2-Butanone	3.873	43	201143	93.822	ug/L	98
23) Bromochloromethane	4.137	128	126569	49.128	ug/L	97
25) Chloroform	4.265	83	434156	49.175	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	312715	50.173	ug/L	98
29) Cyclohexane	4.567	56	302926	43.297	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	371301	48.923	ug/L	99
31) Carbon tetrachloride	4.722	117	320504	48.573	ug/L	99
33) Benzene	4.998	78	900394	48.449	ug/L	100
34) Trichloroethene	5.825	95	233186	47.116	ug/L	99
35) Methylcyclohexane	6.040	83	343433	45.107	ug/L	99
37) 1,2-Dichloropropane	6.085	63	236683	49.319	ug/L	99
38) Bromodichloromethane	6.426	83	322959	50.343	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	376849	49.194	ug/L	98
40) 4-Methyl-2-pentanone	7.152	43	404287	103.468	ug/L	100
42) Toluene	7.307	91	957564	49.702	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	344120	49.896	ug/L	98
45) 1,1,2-Trichloroethane	7.760	97	232827	50.527	ug/L	99
46) Tetrachloroethene	7.895	164	180819	47.785	ug/L	96
48) 2-Hexanone	8.072	43	299622	98.615	ug/L	98
49) Dibromochloromethane	8.169	129	253168	51.911	ug/L	99
50) 1,2-Dibromoethane	8.275	107	232481	48.807	ug/L	100
51) Chlorobenzene	8.805	112	626521	47.731	ug/L	98
52) Ethylbenzene	8.937	91	1045545	48.211	ug/L	99
53) m,p-Xylene	9.066	106	401848	49.788	ug/L	100
54) o-Xylene	9.471	106	387130	49.129	ug/L	97
55) Styrene	9.487	104	709593	51.729	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.168	83	321098	49.980	ug/L	99
59) Bromoform	9.657	173	166824	50.081	ug/L	98
60) Isopropylbenzene	9.860	105	1046248	47.218	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	236582	48.783	ug/L	100
62) 1,3,5-Trimethylbenzene	10.467	105	834141	47.616	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	838667	48.116	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	513939	48.188	ug/L	100
65) 1,4-Dichlorobenzene	11.201	146	534190	48.101	ug/L	99
67) 1,2-Dichlorobenzene	11.570	146	503079	47.715	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	55562	47.197	ug/L	96
69) 1,3,5-Trichlorobenzene	12.573	180	341016	46.496	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	303660	44.624	ug/L	99
71) Naphthalene	13.432	128	793441	44.629	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	312912	46.565	ug/L	100

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

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