

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040824\
 Data File : VV035040.D
 Acq On : 08 Apr 2024 08:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050319

Quant Time: Apr 08 12:08:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 06 02:25:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	403728	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	383192	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	197251	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	199154	51.078	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	102.160%	
7) Chloroethane-d5	1.532	69	174330	51.477	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	102.960%	
11) 1,1-Dichloroethene-d2	2.056	65	87209	51.025	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	102.860%	
21) 2-Butanone-d5	3.789	46	221215	95.664	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	95.660%	
24) Chloroform-d	4.243	84	330414	50.403	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	100.800%	
26) 1,2-Dichloroethane-d4	4.937	65	205874	49.465	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	98.920%	
32) Benzene-d6	4.953	84	660045	51.279	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	102.560%	
36) 1,2-Dichloropropane-d6	5.982	67	210927	51.605	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	103.200%	
41) Toluene-d8	7.239	98	604108	52.114	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	104.220%	
43) trans-1,3-Dichloroprop...	7.548	79	99224	49.935	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	99.880%	
47) 2-Hexanone-d5	8.021	63	131706	85.227	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	85.230%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	281055	49.933	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	99.860%	
66) 1,2-Dichlorobenzene-d4	11.558	152	217134	49.029	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	98.060%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	154658	52.854	ug/L	99
3) Chloromethane	1.217	50	184948	49.165	ug/L	100
5) Vinyl chloride	1.285	62	198601	50.360	ug/L	98
6) Bromomethane	1.490	94	123276	41.702	ug/L	98
8) Chloroethane	1.548	64	145363	53.971	ug/L	96
9) Trichlorofluoromethane	1.712	101	268366	51.848	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	169494	53.501	ug/L	97
12) 1,1-Dichloroethene	2.069	96	149782	49.433	ug/L	94
13) Acetone	2.124	43	307096	144.653	ug/L	98
14) Carbon disulfide	2.240	76	403592	47.299	ug/L	99
15) Methyl Acetate	2.371	43	193653	57.884	ug/L	99
16) Methylene chloride	2.445	84	180928	55.109	ug/L	96
17) trans-1,2-Dichloroethene	2.693	96	155919	53.225	ug/L	96
18) Methyl tert-butyl Ether	2.699	73	571224	55.515	ug/L	97
19) 1,1-Dichloroethane	3.108	63	341512	56.849	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	180334	54.211	ug/L	98
22) 2-Butanone	3.867	43	318146	129.144	ug/L	96
23) Bromochloromethane	4.143	128	92973	55.862	ug/L	97
25) Chloroform	4.268	83	336559	56.666	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	263851	55.796	ug/L	99
29) Cyclohexane	4.577	56	271692	56.609	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	282794	56.616	ug/L	100
31) Carbon tetrachloride	4.731	117	241372	57.013	ug/L	99
33) Benzene	5.005	78	695461	55.658	ug/L	100
34) Trichloroethene	5.828	95	180172	53.429	ug/L	99
35) Methylcyclohexane	6.047	83	284041	55.773	ug/L	97
37) 1,2-Dichloropropane	6.088	63	202398	58.613	ug/L	100
38) Bromodichloromethane	6.429	83	255759	57.405	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	314528	57.820	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	511125	115.932	ug/L	98
42) Toluene	7.310	91	740542	56.609	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	291396	58.307	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	186838	57.405	ug/L	99
46) Tetrachloroethene	7.902	164	136390	57.892	ug/L	96
48) 2-Hexanone	8.072	43	446328	119.029	ug/L	98
49) Dibromochloromethane	8.172	129	192338	59.666	ug/L	100
50) 1,2-Dibromoethane	8.278	107	194646	55.549	ug/L	99
51) Chlorobenzene	8.808	112	476110	56.154	ug/L	99
52) Ethylbenzene	8.943	91	823031	56.767	ug/L	99
53) m,p-Xylene	9.069	106	301957	56.554	ug/L	99
54) o-Xylene	9.474	106	300878	56.954	ug/L	97
55) Styrene	9.493	104	516002	57.800	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	310774	58.932	ug/L	99
59) Bromoform	9.661	173	144505	63.928	ug/L	98
60) Isopropylbenzene	9.863	105	822786	57.861	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	238718	55.849	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	540188	58.492	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	672530	58.899	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	380149	57.205	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	394352	58.355	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	387985	58.608	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	62641	53.195	ug/L	92
69) 1,3,5-Trichlorobenzene	12.580	180	280205	58.506	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	248068	56.387	ug/L	99
71) Naphthalene	13.435	128	523121	42.859	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	235098	54.213	ug/L	98

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

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