

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092724\
 Data File : VV037615.D
 Acq On : 27 Sep 2024 18:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050283

Quant Time: Sep 27 23:52:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 23:45:04 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/30/2024
 Supervised By :Mahesh Dadoda 09/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	645074	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	623574	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	341071	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	213465	37.697	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.400%
7) Chloroethane-d5	1.532	69	181741	41.347	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.700%
11) 1,1-Dichloroethene-d2	2.059	65	99050	41.867	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.740%
21) 2-Butanone-d5	3.789	46	219807m	108.980	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.980%
24) Chloroform-d	4.243	84	492304	48.866	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.740%
26) 1,2-Dichloroethane-d4	4.937	65	291819	49.486	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.980%
32) Benzene-d6	4.953	84	925828	47.447	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.900%
36) 1,2-Dichloropropane-d6	5.982	67	301207	48.476	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.960%
41) Toluene-d8	7.236	98	864499	48.859	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.720%
43) trans-1,3-Dichloroprop...	7.548	79	141861	49.148	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.300%
47) 2-Hexanone-d5	8.021	63	147101	112.117	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.120%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	381512	52.844	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.680%
66) 1,2-Dichlorobenzene-d4	11.554	152	351848	48.956	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	278779	50.765	ug/L	100
3) Chloromethane	1.217	50	270996	50.830	ug/L	99
5) Vinyl chloride	1.285	62	290909	50.897	ug/L	99
6) Bromomethane	1.487	94	163092	51.417	ug/L	100
8) Chloroethane	1.548	64	179514	50.956	ug/L	98
9) Trichlorofluoromethane	1.712	101	399222	51.890	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	231463	50.346	ug/L	99
12) 1,1-Dichloroethene	2.069	96	220490	51.341	ug/L	82
13) Acetone	2.111	43	142455	72.048	ug/L	99
14) Carbon disulfide	2.240	76	656827	48.998	ug/L	100
15) Methyl Acetate	2.371	43	188932	54.754	ug/L	99
16) Methylene chloride	2.442	84	245885	50.566	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	230435	50.720	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	696491	53.434	ug/L	99
19) 1,1-Dichloroethane	3.104	63	445719	51.204	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	264097	51.945	ug/L	99
22) 2-Butanone	3.876	43	202264	92.422	ug/L	99
23) Bromochloromethane	4.140	128	135706	51.601	ug/L	97
25) Chloroform	4.272	83	460308	51.074	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	328953	51.702	ug/L	100
29) Cyclohexane	4.574	56	358507	50.636	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	402104	52.356	ug/L	100
31) Carbon tetrachloride	4.728	117	349932	52.407	ug/L	100
33) Benzene	5.002	78	984746	52.362	ug/L	100
34) Trichloroethene	5.828	95	253252	50.566	ug/L	98
35) Methylcyclohexane	6.043	83	388443	50.416	ug/L	100
37) 1,2-Dichloropropane	6.088	63	255565	52.625	ug/L	99
38) Bromodichloromethane	6.426	83	335848	51.734	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	393333	50.739	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	446766	112.989	ug/L	100
42) Toluene	7.310	91	1049395	53.825	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	365152	52.320	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	249877	53.587	ug/L	99
46) Tetrachloroethene	7.899	164	192650	50.311	ug/L	97
48) 2-Hexanone	8.072	43	324958	105.691	ug/L	99
49) Dibromochloromethane	8.169	129	260447	52.773	ug/L	98
50) 1,2-Dibromoethane	8.278	107	251812	52.241	ug/L	100
51) Chlorobenzene	8.808	112	687769	51.779	ug/L	99
52) Ethylbenzene	8.940	91	1162533	52.972	ug/L	99
53) m,p-Xylene	9.066	106	445537	54.549	ug/L	99
54) o-Xylene	9.471	106	428416	53.727	ug/L	95
55) Styrene	9.490	104	765968	55.179	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	350298	53.881	ug/L	99
59) Bromoform	9.660	173	176540	52.959	ug/L	96
60) Isopropylbenzene	9.860	105	1162935	52.445	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	255034	52.549	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	925488	52.791	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	927864	53.194	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	543778	50.948	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	564664	50.807	ug/L	100
67) 1,2-Dichlorobenzene	11.570	146	540770	51.252	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	60592	51.431	ug/L	96
69) 1,3,5-Trichlorobenzene	12.574	180	353316	48.137	ug/L	98
70) 1,2,4-trichlorobenzene	13.191	180	330908	48.593	ug/L	99
71) Naphthalene	13.432	128	934597	52.529	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	336280	50.005	ug/L	99

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

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