

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081624\
 Data File : VV036946.D
 Acq On : 16 Aug 2024 08:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050362

Quant Time: Aug 16 23:01:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 16 02:14:55 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2024
 Supervised By :Mahesh Dadoda 08/19/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	632338	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	603098	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	313301	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	236494	46.825	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.660%		
7) Chloroethane-d5	1.529	69	196349	49.298	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.600%		
11) 1,1-Dichloroethene-d2	2.056	65	104593	48.414	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.820%		
21) 2-Butanone-d5	3.789	46	242477m	90.613	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.610%		
24) Chloroform-d	4.239	84	463216	51.108	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.220%		
26) 1,2-Dichloroethane-d4	4.931	65	287536	49.342	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.680%		
32) Benzene-d6	4.950	84	883356	48.494	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.980%		
36) 1,2-Dichloropropane-d6	5.982	67	290810	49.485	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.980%		
41) Toluene-d8	7.236	98	789496	47.248	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.500%		
43) trans-1,3-Dichloroprop...	7.548	79	134280	43.905	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.820%		
47) 2-Hexanone-d5	8.021	63	143800	85.103	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	85.100%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	332409	49.263	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.520%		
66) 1,2-Dichlorobenzene-d4	11.554	152	299542	46.919	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.840%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	280470	55.627	ug/L	100
3) Chloromethane	1.217	50	287248	54.438	ug/L	99
5) Vinyl chloride	1.281	62	292521	53.983	ug/L	99
6) Bromomethane	1.487	94	181816	53.293	ug/L	99
8) Chloroethane	1.548	64	184901	55.088	ug/L	98
9) Trichlorofluoromethane	1.712	101	397568	56.014	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	241609	57.769	ug/L	99
12) 1,1-Dichloroethene	2.069	96	216666	54.242	ug/L	94
13) Acetone	2.111	43	229463	102.489	ug/L	99
14) Carbon disulfide	2.236	76	595671	47.474	ug/L	99
15) Methyl Acetate	2.368	43	215464	46.716	ug/L	99
16) Methylene chloride	2.442	84	248252	55.283	ug/L	98
17) trans-1,2-Dichloroethene	2.686	96	227550	54.997	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	748819	51.387	ug/L	99
19) 1,1-Dichloroethane	3.101	63	468296	56.021	ug/L	98
20) cis-1,2-Dichloroethene	3.805	96	264241	54.412	ug/L	99
22) 2-Butanone	3.870	43	273275	91.112	ug/L	99
23) Bromochloromethane	4.137	128	129742	54.999	ug/L	97
25) Chloroform	4.265	83	477134	55.573	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	358418	52.923	ug/L	98
29) Cyclohexane	4.571	56	389910	50.742	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	397501	52.315	ug/L	99
31) Carbon tetrachloride	4.722	117	333592	52.277	ug/L	98
33) Benzene	5.001	78	988336	54.790	ug/L	100
34) Trichloroethene	5.825	95	276850	52.956	ug/L	99
35) Methylcyclohexane	6.040	83	406874	50.719	ug/L	99
37) 1,2-Dichloropropane	6.085	63	264264	55.302	ug/L	100
38) Bromodichloromethane	6.426	83	350231	53.223	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	426858	52.158	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	530021	89.538	ug/L	99
42) Toluene	7.307	91	1038519	54.051	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	382477	50.153	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	247495	53.481	ug/L	97
46) Tetrachloroethene	7.898	164	185243	54.020	ug/L	98
48) 2-Hexanone	8.072	43	393108	90.269	ug/L	99
49) Dibromochloromethane	8.169	129	251125	52.807	ug/L	100
50) 1,2-Dibromoethane	8.275	107	250686	52.211	ug/L	98
51) Chlorobenzene	8.808	112	670734	54.407	ug/L	99
52) Ethylbenzene	8.940	91	1176060	53.608	ug/L	100
53) m,p-Xylene	9.066	106	439679	53.617	ug/L	97
54) o-Xylene	9.471	106	429777	53.584	ug/L	97
55) Styrene	9.490	104	749839	54.554	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	328810	52.658	ug/L	98
59) Bromoform	9.657	173	161483	46.591	ug/L	97
60) Isopropylbenzene	9.860	105	1176223	51.568	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	265861	47.139	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	966940	50.920	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	964892	50.759	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	521494	53.168	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	533009	53.439	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	513606	53.615	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	65109	39.949	ug/L	96
69) 1,3,5-Trichlorobenzene	12.577	180	366255	52.618	ug/L	100
70) 1,2,4-trichlorobenzene	13.191	180	341673	51.180	ug/L	98
71) Naphthalene	13.432	128	928900	43.391	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	330001	50.499	ug/L	100

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

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