

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
 Data File : VV037533.D
 Acq On : 26 Sep 2024 08:24
 Operator : SY/MD
 Sample : VSTD00580
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005280

Quant Time: Sep 27 00:13:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 00:13:08 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	5.526	114	703670	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	667999	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	331233	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	27990	4.531	ug/L	0.00
7) Chloroethane-d5	1.532	69	21466	4.477	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.059	65	11484	4.450	ug/L	0.00
21) 2-Butanone-d5	3.818	46	15476m	7.192	ug/L	0.03
24) Chloroform-d	4.246	84	45796	4.167	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	25404	3.949	ug/L	0.00
32) Benzene-d6	4.957	84	86010	4.115	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	26741	3.887	ug/L	0.00
41) Toluene-d8	7.243	98	69385	3.661	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	11352	3.671	ug/L	0.02
47) 2-Hexanone-d5	8.046	63	8228m	6.090	ug/L	0.03
56) 1,1,2,2-Tetrachloroeth...	10.149	84	29638	3.832	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	28534	4.088	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	23523	3.927	ug/L	99
3) Chloromethane	1.217	50	22099	3.800	ug/L	99
5) Vinyl chloride	1.285	62	22387	3.591	ug/L	93
6) Bromomethane	1.487	94	11524	3.331	ug/L	96
8) Chloroethane	1.548	64	14630	3.807	ug/L	100
9) Trichlorofluoromethane	1.715	101	31273	3.726	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	19257	3.840	ug/L	97
12) 1,1-Dichloroethene	2.069	96	17777	3.795	ug/L	91
13) Acetone	2.111	43	20447m	9.480	ug/L	
14) Carbon disulfide	2.240	76	55025	3.763	ug/L	100
15) Methyl Acetate	2.375	43	13022	3.460	ug/L	100
16) Methylene chloride	2.442	84	20533	3.871	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	17892	3.610	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	48221	3.391	ug/L	98
19) 1,1-Dichloroethane	3.104	63	33808	3.560	ug/L	97
20) cis-1,2-Dichloroethene	3.812	96	18672	3.367	ug/L	94
22) 2-Butanone	3.905	43	16776m	7.235	ug/L	
23) Bromochloromethane	4.146	128	9915	3.456	ug/L	98
27) 1,2-Dichloroethane	5.040	62	25048m	3.609	ug/L	
29) Cyclohexane	4.571	56	24234	3.195	ug/L	95
30) 1,1,1-Trichloroethane	4.503	97	29862	3.630	ug/L	98
31) Carbon tetrachloride	4.725	117	24656	3.447	ug/L	94
33) Benzene	5.008	78	69368	3.443	ug/L	100
34) Trichloroethene	5.834	95	20061m	3.739	ug/L	
35) Methylcyclohexane	6.040	83	28633m	3.469	ug/L	
37) 1,2-Dichloropropane	6.091	63	17766	3.415	ug/L #	96
38) Bromodichloromethane	6.436	83	23931	3.441	ug/L #	98
39) cis-1,3-Dichloropropene	6.960	75	25053	3.017	ug/L	93
40) 4-Methyl-2-pentanone	7.169	43	24625m	5.918	ug/L	
42) Toluene	7.313	91	66382	3.178	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	23636	3.161	ug/L	95
45) 1,1,2-Trichloroethane	7.770	97	16789	3.361	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Tetrachloroethene	7.899	164	14838	3.617	ug/L	99
48) 2-Hexanone	8.088	43	20467m	6.628	ug/L	
49) Dibromochloromethane	8.172	129	17275	3.268	ug/L	99
50) 1,2-Dibromoethane	8.284	107	16448	3.185	ug/L	95
51) Chlorobenzene	8.812	112	49104	3.451	ug/L	95
52) Ethylbenzene	8.943	91	73217	3.114	ug/L	96
53) m,p-Xylene	9.072	106	26786	3.061	ug/L	99
54) o-Xylene	9.474	106	26369	3.087	ug/L	81
55) Styrene	9.496	104	42850m	2.882	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.172	83	23372	3.356	ug/L	95
59) Bromoform	9.660	173	11116	3.434	ug/L	98
60) Isopropylbenzene	9.863	105	66153	3.072	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	16030	3.401	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	50361	2.958	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	46417	2.740	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	35659	3.440	ug/L	97
65) 1,4-Dichlorobenzene	11.204	146	40989	3.798	ug/L	96
67) 1,2-Dichlorobenzene	11.577	146	36017	3.515	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.365	75	3527	3.083	ug/L #	84
69) 1,3,5-Trichlorobenzene	12.580	180	25028	3.511	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	21322	3.224	ug/L	96
71) Naphthalene	13.438	128	44671	2.585	ug/L	97
72) 1,2,3-Trichlorobenzene	13.676	180	20508	3.140	ug/L	98

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

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