

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102224\
 Data File : VX043472.D
 Acq On : 22 Oct 2024 08:53
 Operator : JC/MD
 Sample : VSTD00512
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005612

Quant Time: Oct 23 01:43:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 23 01:43:03 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
 Supervised By :Mahesh Dadoda 10/23/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	166199	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	153824	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	67325	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.373	65	4297	4.606	ug/L	0.00
7) Chloroethane-d5	1.654	69	2321	5.138	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.300	65	2073	4.763	ug/L	0.00
21) 2-Butanone-d5	4.495	46	5951	9.929	ug/L	0.02
24) Chloroform-d	5.062	84	10655	4.616	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.958	65	7198	4.903	ug/L	0.00
32) Benzene-d6	5.976	84	18739	4.373	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.305	67	6017	4.554	ug/L	0.00
41) Toluene-d8	8.646	98	17216	4.417	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.957	79	2518	4.396	ug/L	0.00
47) 2-Hexanone-d5	9.396	63	3698	8.990	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	6985	4.743	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	6054	4.671	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	5494	4.259	ug/L	96
3) Chloromethane	1.294	50	5564	4.304	ug/L	90
5) Vinyl chloride	1.379	62	5235	4.369	ug/L	88
6) Bromomethane	1.605	94	2485	4.970	ug/L	79
8) Chloroethane	1.672	64	3026	6.560	ug/L	97
9) Trichlorofluoromethane	1.879	101	6833	4.200	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.324	101	4188	4.387	ug/L	95
12) 1,1-Dichloroethene	2.312	96	3685	4.179	ug/L #	80
13) Acetone	2.392	43	7546	12.732	ug/L	93
14) Carbon disulfide	2.507	76	8218	4.177	ug/L #	95
15) Methyl Acetate	2.709	43	5677	5.482	ug/L	96
16) Methylene chloride	2.788	84	5161	4.708	ug/L	98
17) trans-1,2-Dichloroethene	3.093	96	4299	4.397	ug/L	82
18) Methyl tert-butyl Ether	3.117	73	15393	4.548	ug/L	96
19) 1,1-Dichloroethane	3.605	63	8266	4.142	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	5081	4.227	ug/L	97
22) 2-Butanone	4.586	43	7398m	10.330	ug/L	
23) Bromochloromethane	4.915	128	2571m	4.536	ug/L	
25) Chloroform	5.092	83	9543	4.337	ug/L	97
27) 1,2-Dichloroethane	6.092	62	7721m	4.561	ug/L	
29) Cyclohexane	5.464	56	7223	4.345	ug/L #	61
30) 1,1,1-Trichloroethane	5.367	97	7608m	4.124	ug/L	
31) Carbon tetrachloride	5.671	117	5716m	3.901	ug/L	
33) Benzene	6.037	78	17707	4.033	ug/L	100
34) Trichloroethene	7.128	95	5037	4.317	ug/L	93
35) Methylcyclohexane	7.378	83	6232	3.893	ug/L	98
37) 1,2-Dichloropropane	7.427	63	4563	3.998	ug/L #	96
38) Bromodichloromethane	7.817	83	5990	4.100	ug/L	96
39) cis-1,3-Dichloropropene	8.372	75	6825m	3.907	ug/L	
40) 4-Methyl-2-pentanone	8.579	43	12854m	9.729	ug/L	
42) Toluene	8.720	91	18238	4.024	ug/L	99
44) trans-1,3-Dichloropropene	8.982	75	5458	3.632	ug/L #	83

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

45) 1,1,2-Trichloroethane	9.152	97	4544	4.384	ug/L	94
46) Tetrachloroethene	9.274	164	3241	4.107	ug/L	90
48) 2-Hexanone	9.439	43	10197	9.893	ug/L #	94
49) Dibromochloromethane	9.518	129	4012	4.147	ug/L	94
50) 1,2-Dibromoethane	9.610	107	4827	4.519	ug/L #	94
51) Chlorobenzene	10.079	112	12944	4.331	ug/L	92
52) Ethylbenzene	10.195	91	19615	3.983	ug/L	93
53) m,p-Xylene	10.305	106	7100	3.847	ug/L	94
54) o-Xylene	10.640	106	7597	4.020	ug/L	98
55) Styrene	10.658	104	12248	3.902	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	6925	4.700	ug/L	93
59) Bromoform	10.799	173	2245	4.206	ug/L	99
60) Isopropylbenzene	10.963	105	18220	4.104	ug/L	99
61) 1,2,3-Trichloropropane	11.237	75	5450	4.826	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	15280	4.028	ug/L	96
63) 1,2,4-Trimethylbenzene	11.750	105	15398	3.993	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	8304	4.100	ug/L	96
65) 1,4-Dichlorobenzene	12.042	146	9487	4.566	ug/L	95
67) 1,2-Dichlorobenzene	12.335	146	8415	4.169	ug/L #	92
68) 1,2-Dibromo-3-chloropr...	12.951	75	1122	4.346	ug/L	84
69) 1,3,5-Trichlorobenzene	13.115	180	5182	3.936	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	4342	3.943	ug/L	97
71) Naphthalene	13.780	128	13282	4.101	ug/L	97
72) 1,2,3-Trichlorobenzene	13.963	180	4742	4.283	ug/L	91

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

