

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120524\
 Data File : VX044143.D
 Acq On : 05 Dec 2024 12:33
 Operator : JC/MD
 Sample : VSTD00553
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005653

Quant Time: Dec 06 03:30:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120524WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 06 03:29:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/06/2024
 Supervised By : Mahesh Dadoda 12/06/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	234557	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	202141	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	84073	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	10251	4.735	ug/L	0.00
7) Chloroethane-d5	1.648	69	9502	6.313	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	4589	5.047	ug/L	0.00
21) 2-Butanone-d5	4.471	46	11877	9.002	ug/L	0.00
24) Chloroform-d	5.068	84	19280m	4.752	ug/L	0.02
26) 1,2-Dichloroethane-d4	5.958	65	14655	5.170	ug/L	0.00
32) Benzene-d6	5.964	84	33922	4.709	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.312	67	10221	4.594	ug/L	0.00
41) Toluene-d8	8.647	98	33290	5.055	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.958	79	4613	4.287	ug/L	0.00
47) 2-Hexanone-d5	9.390	63	7566	8.490	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	13345	4.392	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	9811	5.059	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	8793	4.563	ug/L	94
3) Chloromethane	1.294	50	8558	4.903	ug/L	95
5) Vinyl chloride	1.374	62	9217	4.855	ug/L	97
6) Bromomethane	1.593	94	6603	5.375	ug/L	99
8) Chloroethane	1.666	64	6586	5.417	ug/L	84
9) Trichlorofluoromethane	1.874	101	16619	4.312	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	7404	4.846	ug/L	96
12) 1,1-Dichloroethene	2.306	96	6752	4.958	ug/L #	48
13) Acetone	2.386	43	11539	10.264	ug/L	92
14) Carbon disulfide	2.501	76	12099	5.049	ug/L #	82
15) Methyl Acetate	2.703	43	9078	4.924	ug/L #	69
16) Methylene chloride	2.788	84	7485	4.841	ug/L	95
17) trans-1,2-Dichloroethene	3.087	96	7048	5.012	ug/L	91
18) Methyl tert-butyl Ether	3.117	73	26990	4.709	ug/L #	95
19) 1,1-Dichloroethane	3.605	63	14098	4.681	ug/L	93
20) cis-1,2-Dichloroethene	4.489	96	8093	4.683	ug/L	94
22) 2-Butanone	4.574	43	12835m	9.242	ug/L	
23) Bromochloromethane	4.897	128	3899m	4.535	ug/L	
25) Chloroform	5.092	83	16323	4.786	ug/L	95
27) 1,2-Dichloroethane	6.092	62	13270	4.723	ug/L #	93
29) Cyclohexane	5.458	56	12680m	4.953	ug/L	
30) 1,1,1-Trichloroethane	5.373	97	12640	4.596	ug/L	95
31) Carbon tetrachloride	5.672	117	9387	4.265	ug/L	97
33) Benzene	6.031	78	30204	4.762	ug/L	100
34) Trichloroethene	7.129	95	8303	4.956	ug/L	93
35) Methylcyclohexane	7.373	83	10947	4.251	ug/L	91
37) 1,2-Dichloropropane	7.427	63	7509	4.514	ug/L	98
38) Bromodichloromethane	7.824	83	9548	4.402	ug/L	99
39) cis-1,3-Dichloropropene	8.372	75	10788	3.935	ug/L	98
40) 4-Methyl-2-pentanone	8.580	43	22906	8.670	ug/L #	92
42) Toluene	8.720	91	31064	4.662	ug/L	97
44) trans-1,3-Dichloropropene	8.982	75	9789	3.813	ug/L	94

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

45) 1,1,2-Trichloroethane	9.153	97	8320	4.898	ug/L	94
46) Tetrachloroethene	9.275	164	5880	5.285	ug/L	83
48) 2-Hexanone	9.433	43	17551	8.226	ug/L	93
49) Dibromochloromethane	9.518	129	6268	4.258	ug/L	83
50) 1,2-Dibromoethane	9.610	107	8210	4.665	ug/L #	99
51) Chlorobenzene	10.079	112	20906	5.057	ug/L	96
52) Ethylbenzene	10.195	91	33056	4.466	ug/L	94
53) m,p-Xylene	10.299	106	11598	4.266	ug/L	88
54) o-Xylene	10.640	106	12450	4.537	ug/L	99
55) Styrene	10.659	104	18966	4.153	ug/L	91
57) 1,1,2,2-Tetrachloroethane	11.213	83	12132	4.555	ug/L	98
59) Bromoform	10.799	173	3422	4.088	ug/L	98
60) Isopropylbenzene	10.963	105	32044	4.718	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	10182	5.185	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	26791	4.794	ug/L	96
63) 1,2,4-Trimethylbenzene	11.750	105	25055	4.565	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	13850	5.199	ug/L	91
65) 1,4-Dichlorobenzene	12.042	146	13344	4.917	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	13713	4.944	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	1689	3.693	ug/L #	79
69) 1,3,5-Trichlorobenzene	13.115	180	7903	4.611	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	6910	4.533	ug/L	94
71) Naphthalene	13.780	128	28996	4.627	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	7299	4.499	ug/L	92

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

