

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072824\
 Data File : VX042594.D
 Acq On : 26 Jul 2024 12:57
 Operator : JC/MD
 Sample : VSTD00512
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005612

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/29/2024
 Supervised By : Mahesh Dadoda 07/29/2024

Quant Time: Jul 27 00:34:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML072624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 27 00:33:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	189032	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	171521	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	67195	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	5366	4.672	ug/L	0.00
7) Chloroethane-d5	1.642	69	2058m	4.349	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	2588	4.665	ug/L	0.00
21) 2-Butanone-d5	4.483	46	7792m	9.154	ug/L	0.02
24) Chloroform-d	5.056	84	11033m	4.389	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.964	65	7547	4.654	ug/L	0.00
32) Benzene-d6	5.977	84	20900	4.390	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.318	67	6086	4.320	ug/L	0.01
41) Toluene-d8	8.653	98	18614	4.361	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.958	79	2391	3.627	ug/L	0.00
47) 2-Hexanone-d5	9.391	63	5015m	7.988	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	9089	4.481	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	5839	4.598	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	7965	4.769	ug/L	99
3) Chloromethane	1.301	50	6833	4.948	ug/L	92
5) Vinyl chloride	1.374	62	6236	4.750	ug/L	87
6) Bromomethane	1.599	94	2040	4.949	ug/L	78
8) Chloroethane	1.666	64	2395m	4.971	ug/L	
9) Trichlorofluoromethane	1.868	101	8588m	4.651	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	6536	4.895	ug/L	95
12) 1,1-Dichloroethene	2.313	96	5616	4.596	ug/L	89
13) Acetone	2.386	43	6893	10.360	ug/L	90
14) Carbon disulfide	2.502	76	12668	4.246	ug/L	95
15) Methyl Acetate	2.715	43	7653	5.189	ug/L	97
16) Methylene chloride	2.782	84	7180m	5.088	ug/L	
17) trans-1,2-Dichloroethene	3.093	96	5961	4.753	ug/L	81
18) Methyl tert-butyl Ether	3.123	73	19808	4.557	ug/L	98
19) 1,1-Dichloroethane	3.611	63	11287	4.714	ug/L	95
20) cis-1,2-Dichloroethene	4.489	96	6656	4.647	ug/L	89
22) 2-Butanone	4.580	43	9177m	9.056	ug/L	
23) Bromochloromethane	4.904	128	3223m	4.794	ug/L	
25) Chloroform	5.086	83	11844m	4.639	ug/L	
27) 1,2-Dichloroethane	6.086	62	9535	4.702	ug/L	95
29) Cyclohexane	5.464	56	8942	4.410	ug/L	96
30) 1,1,1-Trichloroethane	5.373	97	10117	4.618	ug/L #	91
31) Carbon tetrachloride	5.678	117	8181	4.421	ug/L	95
33) Benzene	6.038	78	25258	4.812	ug/L	100
34) Trichloroethene	7.129	95	6762	4.822	ug/L	94
35) Methylcyclohexane	7.379	83	9125	4.299	ug/L	95
37) 1,2-Dichloropropane	7.428	63	6235	4.570	ug/L #	89
38) Bromodichloromethane	7.824	83	7682	4.357	ug/L	89
39) cis-1,3-Dichloropropene	8.372	75	8712	4.160	ug/L	96
40) 4-Methyl-2-pentanone	8.580	43	16024	8.537	ug/L	99
42) Toluene	8.720	91	24320	4.498	ug/L	99
44) trans-1,3-Dichloropropene	8.982	75	7629m	4.051	ug/L	

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

45) 1,1,2-Trichloroethane	9.153	97	6775	4.917	ug/L	99
46) Tetrachloroethene	9.275	164	4597	4.807	ug/L	88
48) 2-Hexanone	9.433	43	12610m	8.639	ug/L	
49) Dibromochloromethane	9.519	129	5529	4.297	ug/L	91
50) 1,2-Dibromoethane	9.610	107	6696	4.673	ug/L #	87
51) Chlorobenzene	10.079	112	16737	4.787	ug/L	89
52) Ethylbenzene	10.195	91	26098	4.401	ug/L	98
53) m,p-Xylene	10.305	106	9551	4.276	ug/L	91
54) o-Xylene	10.640	106	9390	4.226	ug/L	93
55) Styrene	10.659	104	15014	4.053	ug/L	93
57) 1,1,2,2-Tetrachloroethane	11.213	83	10336	4.691	ug/L	97
59) Bromoform	10.805	173	3303	4.380	ug/L #	94
60) Isopropylbenzene	10.963	105	23704	4.669	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	8117	5.221	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	18995	4.498	ug/L	97
63) 1,2,4-Trimethylbenzene	11.756	105	18492	4.435	ug/L	97
64) 1,3-Dichlorobenzene	11.969	146	10377	4.752	ug/L	95
65) 1,4-Dichlorobenzene	12.043	146	10764	4.894	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	10477	4.765	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.939	75	1833	4.426	ug/L #	79
69) 1,3,5-Trichlorobenzene	13.116	180	5995	4.426	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	5006	4.215	ug/L	94
71) Naphthalene	13.774	128	19340m	4.221	ug/L	
72) 1,2,3-Trichlorobenzene	13.957	180	5284	4.295	ug/L	99

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

