

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072824\
 Data File : VX042597.D
 Acq On : 26 Jul 2024 14:06
 Operator : JC/MD
 Sample : VSTD10015
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100615

Quant Time: Jul 27 00:36:06 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	179742	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	167324	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	77018	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	115722	105.973	ug/L	0.00
7) Chloroethane-d5	1.648	69	48362m	107.474	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	57442m	108.883	ug/L	0.00
21) 2-Butanone-d5	4.465	46	177696	219.556	ug/L	0.00
24) Chloroform-d	5.056	84	262083	109.650	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.958	65	165977	107.636	ug/L	0.00
32) Benzene-d6	5.970	84	500970	107.879	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.305	67	146950	106.921	ug/L	0.00
41) Toluene-d8	8.647	98	449087	107.859	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.951	79	72985	113.477	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	140417	229.260	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	211012	106.633	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	156610	107.595	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	171317	107.882	ug/L	98
3) Chloromethane	1.300	50	135247	102.992	ug/L	100
5) Vinyl chloride	1.374	62	131344	105.218	ug/L	94
6) Bromomethane	1.599	94	40618	103.625	ug/L	94
8) Chloroethane	1.666	64	45890m	100.179	ug/L	
9) Trichlorofluoromethane	1.867	101	186137m	106.020	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	135269	106.538	ug/L	99
12) 1,1-Dichloroethene	2.312	96	121290	104.381	ug/L	97
13) Acetone	2.392	43	124609	196.965	ug/L	97
14) Carbon disulfide	2.501	76	323073	113.872	ug/L	100
15) Methyl Acetate	2.709	43	145041	103.427	ug/L	99
16) Methylene chloride	2.782	84	138827	103.453	ug/L	99
17) trans-1,2-Dichloroethene	3.087	96	129571	108.657	ug/L	93
18) Methyl tert-butyl Ether	3.117	73	451428	109.218	ug/L	99
19) 1,1-Dichloroethane	3.605	63	242051	106.313	ug/L	98
20) cis-1,2-Dichloroethene	4.483	96	147313	108.155	ug/L	97
22) 2-Butanone	4.568	43	205671	213.457	ug/L	96
23) Bromochloromethane	4.897	128	68712	107.490	ug/L	98
25) Chloroform	5.092	83	259909	107.063	ug/L	99
27) 1,2-Dichloroethane	6.086	62	210088	108.963	ug/L	100
29) Cyclohexane	5.464	56	214843	108.612	ug/L	98
30) 1,1,1-Trichloroethane	5.379	97	230102	107.661	ug/L	99
31) Carbon tetrachloride	5.672	117	194940	107.984	ug/L	99
33) Benzene	6.037	78	540907	105.633	ug/L	100
34) Trichloroethene	7.123	95	145411	106.290	ug/L	97
35) Methylcyclohexane	7.379	83	227587	109.914	ug/L	98
37) 1,2-Dichloropropane	7.427	63	139412	104.757	ug/L	100
38) Bromodichloromethane	7.824	83	186738	108.566	ug/L	97
39) cis-1,3-Dichloropropene	8.366	75	229382	112.290	ug/L	99
40) 4-Methyl-2-pentanone	8.580	43	394997	215.730	ug/L	98
42) Toluene	8.720	91	562890	106.728	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	210048	114.329	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.153	97	139156	103.529	ug/L	95
46) Tetrachloroethene	9.275	164	98214	105.268	ug/L	97
48) 2-Hexanone	9.433	43	307310	215.807	ug/L	98
49) Dibromochloromethane	9.518	129	139647	111.261	ug/L	97
50) 1,2-Dibromoethane	9.610	107	150684	107.789	ug/L #	99
51) Chlorobenzene	10.079	112	359936	105.535	ug/L	98
52) Ethylbenzene	10.195	91	628539	108.655	ug/L	99
53) m,p-Xylene	10.299	106	238237	109.323	ug/L	98
54) o-Xylene	10.640	106	238467	110.003	ug/L	97
55) Styrene	10.652	104	398166	110.184	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.213	83	226804	105.517	ug/L	97
59) Bromoform	10.799	173	95714	110.740	ug/L	99
60) Isopropylbenzene	10.963	105	613851	105.482	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	178886	100.396	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	520905	107.626	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	527244	110.325	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	261632	104.533	ug/L	97
65) 1,4-Dichlorobenzene	12.042	146	264968	105.108	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	263931	104.723	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.939	75	52280	110.136	ug/L	86
69) 1,3,5-Trichlorobenzene	13.109	180	170931	110.108	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	155340	114.106	ug/L	98
71) Naphthalene	13.774	128	597982	113.869	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	158364	112.300	ug/L	99

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

