

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072824\
 Data File : VX042595.D
 Acq On : 26 Jul 2024 13:20
 Operator : JC/MD
 Sample : VSTD01013
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010613

Manual Integrations
 APPROVED

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

Quant Time: Jul 27 00:35:00 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	6.763	114	191774	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	173532	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	71217	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	10782	9.254	ug/L	0.00
7) Chloroethane-d5	1.648	69	4475	9.321	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.300	65	5544	9.850	ug/L	0.00
21) 2-Butanone-d5	4.477	46	16300	18.876	ug/L	0.01
24) Chloroform-d	5.056	84	24069	9.438	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	15715	9.552	ug/L	0.00
32) Benzene-d6	5.971	84	45652	9.479	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.312	67	13598	9.540	ug/L	0.00
41) Toluene-d8	8.647	98	40241	9.319	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	5915	8.868	ug/L	0.00
47) 2-Hexanone-d5	9.391	63	10795m	16.995	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	19359	9.433	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	12729	9.458	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	16439	9.702	ug/L	100
3) Chloromethane	1.301	50	13944	9.952	ug/L	90
5) Vinyl chloride	1.374	62	12494	9.381	ug/L	93
6) Bromomethane	1.599	94	4004	9.574	ug/L	83
8) Chloroethane	1.666	64	4665m	9.545	ug/L	
9) Trichlorofluoromethane	1.868	101	18804m	10.038	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	13139	9.699	ug/L	99
12) 1,1-Dichloroethene	2.307	96	12583	10.149	ug/L	89
13) Acetone	2.392	43	13810	20.459	ug/L	97
14) Carbon disulfide	2.502	76	26597	8.786	ug/L	99
15) Methyl Acetate	2.709	43	14791	9.886	ug/L	97
16) Methylene chloride	2.788	84	13863	9.682	ug/L	96
17) trans-1,2-Dichloroethene	3.093	96	11916	9.366	ug/L	83
18) Methyl tert-butyl Ether	3.117	73	42010	9.526	ug/L	99
19) 1,1-Dichloroethane	3.605	63	24014	9.886	ug/L	95
20) cis-1,2-Dichloroethene	4.489	96	13466	9.266	ug/L	97
22) 2-Butanone	4.574	43	20144m	19.595	ug/L	
23) Bromochloromethane	4.904	128	6675m	9.787	ug/L	
25) Chloroform	5.087	83	25509	9.848	ug/L	93
27) 1,2-Dichloroethane	6.092	62	19464	9.462	ug/L	97
29) Cyclohexane	5.465	56	20045	9.771	ug/L #	72
30) 1,1,1-Trichloroethane	5.379	97	20889	9.424	ug/L	98
31) Carbon tetrachloride	5.672	117	17481	9.337	ug/L	100
33) Benzene	6.038	78	50923	9.589	ug/L	100
34) Trichloroethene	7.123	95	13862	9.770	ug/L	90
35) Methylcyclohexane	7.379	83	20357	9.480	ug/L	99
37) 1,2-Dichloropropane	7.434	63	13799	9.998	ug/L #	93
38) Bromodichloromethane	7.824	83	16700	9.362	ug/L #	95
39) cis-1,3-Dichloropropene	8.366	75	18704	8.829	ug/L	96
40) 4-Methyl-2-pentanone	8.580	43	36382	19.159	ug/L	97
42) Toluene	8.720	91	53438	9.770	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	16303	8.556	ug/L	100

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

45) 1,1,2-Trichloroethane	9.153	97	13395	9.609	ug/L	98
46) Tetrachloroethene	9.275	164	9268	9.578	ug/L	92
48) 2-Hexanone	9.433	43	28195	19.091	ug/L	98
49) Dibromochloromethane	9.519	129	11565	8.885	ug/L	92
50) 1,2-Dibromoethane	9.610	107	13419	9.256	ug/L #	98
51) Chlorobenzene	10.080	112	33191	9.384	ug/L	96
52) Ethylbenzene	10.195	91	56125	9.355	ug/L	99
53) m,p-Xylene	10.299	106	21013	9.298	ug/L	95
54) o-Xylene	10.640	106	21403	9.520	ug/L	98
55) Styrene	10.659	104	34347	9.165	ug/L	94
57) 1,1,2,2-Tetrachloroethane	11.214	83	21585	9.683	ug/L #	94
59) Bromoform	10.799	173	7327	9.168	ug/L #	94
60) Isopropylbenzene	10.964	105	53560	9.953	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	17139	10.402	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	43441	9.707	ug/L	97
63) 1,2,4-Trimethylbenzene	11.750	105	40940	9.264	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	23019	9.946	ug/L	93
65) 1,4-Dichlorobenzene	12.043	146	22516	9.659	ug/L	96
67) 1,2-Dichlorobenzene	12.335	146	23191	9.951	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	4099	9.339	ug/L	83
69) 1,3,5-Trichlorobenzene	13.110	180	13119	9.139	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	11299	8.976	ug/L	97
71) Naphthalene	13.774	128	42023	8.654	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	11669	8.949	ug/L	95

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

