

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111324\
 Data File : VX043848.D
 Acq On : 13 Nov 2024 20:51
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050788

Quant Time: Nov 14 04:31:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML110424WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 02:04:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/14/2024
 Supervised By : Mahesh Dadoda 11/18/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	255230	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	231907	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	115684	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	48145	35.408	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	70.820%		
7) Chloroethane-d5	1.648	69	35183	60.198	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	120.400%		
11) 1,1-Dichloroethene-d2	2.294	65	24298	38.710	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.420%		
21) 2-Butanone-d5	4.458	46	82503	92.672	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	92.670%		
24) Chloroform-d	5.050	84	137150	46.790	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.580%		
26) 1,2-Dichloroethane-d4	5.952	65	85825	46.090	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.180%		
32) Benzene-d6	5.970	84	245973	41.025	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.040%		
36) 1,2-Dichloropropane-d6	7.305	67	74753	40.980	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	81.960%		
41) Toluene-d8	8.647	98	229556	42.147	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.300%		
43) trans-1,3-Dichloroprop...	8.945	79	36338	41.655	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.300%		
47) 2-Hexanone-d5	9.384	63	65273	90.418	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.420%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	116469	49.763	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.520%		
66) 1,2-Dichlorobenzene-d4	12.317	152	98271	49.029	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	72773	40.484	ug/L	97
3) Chloromethane	1.294	50	59875	34.274	ug/L	100
5) Vinyl chloride	1.374	62	65624	38.350	ug/L	95
6) Bromomethane	1.593	94	42742	64.457	ug/L	100
8) Chloroethane	1.660	64	36715	60.983	ug/L	99
9) Trichlorofluoromethane	1.867	101	117505	54.111	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	71829	48.162	ug/L	96
12) 1,1-Dichloroethene	2.306	96	62229	45.706	ug/L	93
13) Acetone	2.386	43	59799	72.220	ug/L	99
14) Carbon disulfide	2.501	76	102378	34.015	ug/L	98
15) Methyl Acetate	2.703	43	62769m	35.850	ug/L	
16) Methylene chloride	2.782	84	73578	44.732	ug/L	94
17) trans-1,2-Dichloroethene	3.087	96	63640	43.448	ug/L	90
18) Methyl tert-butyl Ether	3.117	73	246429	44.257	ug/L	98
19) 1,1-Dichloroethane	3.605	63	122548	42.488	ug/L	97
20) cis-1,2-Dichloroethene	4.483	96	81394	44.740	ug/L	90
22) 2-Butanone	4.562	43	86513	72.219	ug/L	93
23) Bromochloromethane	4.891	128	43778	47.871	ug/L	87
25) Chloroform	5.086	83	141781	45.808	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	108097	45.199	ug/L	98
29) Cyclohexane	5.464	56	95344	35.432	ug/L	91
30) 1,1,1-Trichloroethane	5.379	97	123643	44.012	ug/L	98
31) Carbon tetrachloride	5.672	117	102764	44.588	ug/L	99
33) Benzene	6.031	78	271169	41.023	ug/L	100
34) Trichloroethene	7.123	95	114574	64.472	ug/L	98
35) Methylcyclohexane	7.372	83	102885	38.750	ug/L	95
37) 1,2-Dichloropropane	7.421	63	67716	38.458	ug/L #	96
38) Bromodichloromethane	7.818	83	93370	41.691	ug/L	95
39) cis-1,3-Dichloropropene	8.366	75	117524	40.884	ug/L	100
40) 4-Methyl-2-pentanone	8.573	43	170506	71.145	ug/L #	92
42) Toluene	8.714	91	303912	43.712	ug/L	98
44) trans-1,3-Dichloropropene	8.976	75	108874	41.537	ug/L	99
45) 1,1,2-Trichloroethane	9.147	97	81550	45.165	ug/L	97
46) Tetrachloroethene	9.275	164	62584	48.926	ug/L	91
48) 2-Hexanone	9.433	43	131118	73.191	ug/L #	95
49) Dibromochloromethane	9.518	129	78838	46.845	ug/L	96
50) 1,2-Dibromoethane	9.610	107	86401	46.345	ug/L #	98
51) Chlorobenzene	10.079	112	209572	46.122	ug/L	94
52) Ethylbenzene	10.189	91	341050	45.129	ug/L	99
53) m,p-Xylene	10.299	106	135973	46.609	ug/L	93
54) o-Xylene	10.640	106	136977	47.097	ug/L	93
55) Styrene	10.652	104	229545	47.445	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.213	83	118375	43.774	ug/L #	98
59) Bromoform	10.799	173	53452	44.174	ug/L	96
60) Isopropylbenzene	10.963	105	357395	44.555	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	91009	40.529	ug/L	94
62) 1,3,5-Trimethylbenzene	11.451	105	301484	44.715	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	300377	44.745	ug/L	97
64) 1,3-Dichlorobenzene	11.969	146	165906	47.021	ug/L	95
65) 1,4-Dichlorobenzene	12.042	146	163755	46.079	ug/L	96
67) 1,2-Dichlorobenzene	12.335	146	171578	47.586	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.939	75	21733	38.651	ug/L	96
69) 1,3,5-Trichlorobenzene	13.109	180	111864	47.535	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	101721	47.143	ug/L	97
71) Naphthalene	13.774	128	367285	45.837	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	106319	47.677	ug/L	99

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

