

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101921\
 Data File : VX024851.D
 Acq On : 19 Oct 2021 16:30
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTD050694

Manual Integrations
 APPROVED

MMDadoda
 10/21/2021 10:46:41 AM

Quant Time: Oct 20 04:24:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML100721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 20 04:21:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	293979	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	270886	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	138830	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	78088	42.90	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.80%		
7) Chloroethane-d5	1.666	69	59470	49.63	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.26%		
11) 1,1-Dichloroethene-d2	2.313	63	163357	45.71	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.42%		
21) 2-Butanone-d5	4.452	46	181862	121.53	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	121.53%		
24) Chloroform-d	5.062	84	174826	47.42	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.84%		
26) 1,2-Dichloroethane-d4	5.958	65	115692	44.37	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.74%		
32) Benzene-d6	5.977	84	311887	40.87	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.74%		
36) 1,2-Dichloropropane-d6	7.312	67	111713	46.81	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.62%		
41) Toluene-d8	8.653	98	292438	39.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	78.66%#		
43) trans-1,3-Dichloroprop...	8.952	79	53514	45.25	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.50%		
47) 2-Hexanone-d5	9.384	63	118552	105.81	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.81%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	156260	47.54	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.08%		
66) 1,2-Dichlorobenzene-d4	12.323	152	117378	43.21	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.42%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	121408	46.72	ug/L	99
3) Chloromethane	1.294	50	132569	62.48	ug/L	97
5) Vinyl chloride	1.374	62	129813	60.64	ug/L	98
6) Bromomethane	1.605	94	78969	66.85	ug/L	99
8) Chloroethane	1.685	64	68699	61.47	ug/L	97
9) Trichlorofluoromethane	1.886	101	170314	56.45	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	105958	56.43	ug/L	96
12) 1,1-Dichloroethene	2.319	96	97231	57.58	ug/L	95
13) Acetone	2.380	43	177418	119.94	ug/L	90
14) Carbon disulfide	2.514	76	251108	51.51	ug/L	100
15) Methyl Acetate	2.703	43	135270m	57.40	ug/L	
16) Methylene chloride	2.794	84	109601	53.95	ug/L	94
17) trans-1,2-Dichloroethene	3.093	96	100357	52.42	ug/L	95
18) Methyl tert-butyl Ether	3.117	73	335684	53.31	ug/L	97
19) 1,1-Dichloroethane	3.611	63	198092	55.38	ug/L	99
20) cis-1,2-Dichloroethene	4.489	96	111327	51.52	ug/L	92
22) 2-Butanone	4.556	43	224037	114.41	ug/L	89
23) Bromochloromethane	4.904	128	58796	52.07	ug/L	95
25) Chloroform	5.093	83	196598	48.61	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	159919	50.96	ug/L	97
29) Cyclohexane	5.471	56	174719	51.97	ug/L	94
30) 1,1,1-Trichloroethane	5.385	97	170779	48.08	ug/L	99
31) Carbon tetrachloride	5.684	117	146426	46.98	ug/L	98
33) Benzene	6.044	78	413093	49.35	ug/L	100
34) Trichloroethene	7.129	95	111747	48.50	ug/L	93
35) Methylcyclohexane	7.385	83	175594	47.94	ug/L	97
37) 1,2-Dichloropropane	7.434	63	114664	52.01	ug/L #	97
38) Bromodichloromethane	7.824	83	141197	50.14	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	173611	52.52	ug/L	95
40) 4-Methyl-2-pentanone	8.574	43	374689	111.70	ug/L #	90
42) Toluene	8.720	91	462702	49.52	ug/L	96
44) trans-1,3-Dichloropropene	8.982	75	171356	53.08	ug/L	95
45) 1,1,2-Trichloroethane	9.153	97	108343	50.55	ug/L	99
46) Tetrachloroethene	9.275	164	93563	52.10	ug/L	98
48) 2-Hexanone	9.433	43	306231	111.91	ug/L #	87
49) Dibromochloromethane	9.525	129	112402	50.43	ug/L	97
50) 1,2-Dibromoethane	9.610	107	117533	50.77	ug/L	99
51) Chlorobenzene	10.079	112	289669	51.44	ug/L	95
52) Ethylbenzene	10.195	91	485441	50.46	ug/L	99
53) m,p-Xylene	10.305	106	186480	49.62	ug/L	99
54) o-Xylene	10.646	106	181407	48.32	ug/L	88
55) Styrene	10.659	104	306217	48.87	ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.213	83	160225	47.30	ug/L	97
59) Bromoform	10.805	173	84456	53.77	ug/L	97
60) Isopropylbenzene	10.963	105	474835	49.67	ug/L	99
61) 1,2,3-Trichloropropane	11.244	75	136333	47.84	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	400993	47.76	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	395820	48.22	ug/L	98
64) 1,3-Dichlorobenzene	11.975	146	213620	47.91	ug/L	94
65) 1,4-Dichlorobenzene	12.043	146	216860	48.70	ug/L	96
67) 1,2-Dichlorobenzene	12.335	146	214699	48.77	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	34167	44.61	ug/L	87
69) 1,3,5-Trichlorobenzene	13.116	180	162875	50.86	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	142217	52.49	ug/L	97
71) Naphthalene	13.780	128	453249	50.11	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	142919	51.12	ug/L	97

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

