

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111221\
 Data File : VX025158.D
 Acq On : 12 Nov 2021 17:12
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050707

Quant Time: Nov 13 04:25:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 12 12:01:23 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/14/2021
 Supervised By :Mahesh Dadoda 11/15/2021

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	207000	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	192093	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	104545	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	60741	43.434	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.860%		
7) Chloroethane-d5	1.666	69	40978	51.414	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	102.820%		
11) 1,1-Dichloroethene-d2	2.306	63	109497	45.525	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.040%		
21) 2-Butanone-d5	4.465	46	97615	92.369	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	92.370%		
24) Chloroform-d	5.062	84	116835	47.490	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.980%		
26) 1,2-Dichloroethane-d4	5.958	65	69490	46.600	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.200%		
32) Benzene-d6	5.976	84	235707	44.958	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.920%		
36) 1,2-Dichloropropane-d6	7.312	67	73048	45.631	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.260%		
41) Toluene-d8	8.653	98	224650	44.870	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.740%		
43) trans-1,3-Dichloroprop...	8.952	79	39904	45.919	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.840%		
47) 2-Hexanone-d5	9.384	63	78112	90.867	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.870%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	106048	45.994	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.980%		
66) 1,2-Dichlorobenzene-d4	12.323	152	94226	45.466	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	79994	49.446	ug/L	98
3) Chloromethane	1.288	50	86465	49.367	ug/L	87
5) Vinyl chloride	1.374	62	89116	49.341	ug/L	98
6) Bromomethane	1.611	94	42481	61.293	ug/L	94
8) Chloroethane	1.691	64	48004	52.928	ug/L	97
9) Trichlorofluoromethane	1.886	101	129802	49.236	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	67700	49.556	ug/L	96
12) 1,1-Dichloroethene	2.319	96	64091	48.561	ug/L	92
13) Acetone	2.386	43	81967	82.685	ug/L	99
14) Carbon disulfide	2.514	76	189951	46.711	ug/L	100
15) Methyl Acetate	2.703	43	73599	45.602	ug/L #	81
16) Methylene chloride	2.788	84	69574	47.654	ug/L #	82
17) trans-1,2-Dichloroethene	3.093	96	69130	48.230	ug/L	92
18) Methyl tert-butyl Ether	3.117	73	216562	48.338	ug/L #	89
19) 1,1-Dichloroethane	3.611	63	117421	48.429	ug/L	92
20) cis-1,2-Dichloroethene	4.489	96	76307	48.115	ug/L	99
22) 2-Butanone	4.562	43	117228	88.836	ug/L	85
23) Bromochloromethane	4.903	128	39860	48.819	ug/L #	76
25) Chloroform	5.092	83	121449	48.871	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	88446	48.541	ug/L #	87
29) Cyclohexane	5.470	56	115160	46.925	ug/L	86
30) 1,1,1-Trichloroethane	5.385	97	112389	47.612	ug/L #	94
31) Carbon tetrachloride	5.684	117	100390	48.164	ug/L	99
33) Benzene	6.044	78	277491	47.018	ug/L	100
34) Trichloroethene	7.129	95	76118	49.356	ug/L	84
35) Methylcyclohexane	7.385	83	125292	48.043	ug/L	94
37) 1,2-Dichloropropane	7.434	63	69364	46.918	ug/L	99
38) Bromodichloromethane	7.824	83	93872	46.920	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	114899	47.331	ug/L	97
40) 4-Methyl-2-pentanone	8.574	43	216176	92.004	ug/L #	84
42) Toluene	8.720	91	306049	47.743	ug/L	96
44) trans-1,3-Dichloropropene	8.982	75	112754	47.725	ug/L	98
45) 1,1,2-Trichloroethane	9.153	97	70019	46.902	ug/L	98
46) Tetrachloroethene	9.275	164	63437	49.301	ug/L	90
48) 2-Hexanone	9.433	43	169106	87.804	ug/L #	84
49) Dibromochloromethane	9.525	129	81039	47.553	ug/L	99
50) 1,2-Dibromoethane	9.610	107	75897	47.504	ug/L #	96
51) Chlorobenzene	10.079	112	201855	49.008	ug/L	97
52) Ethylbenzene	10.195	91	332658	48.278	ug/L	94
53) m,p-Xylene	10.305	106	134862	48.410	ug/L	78
54) o-Xylene	10.646	106	130006	47.292	ug/L	82
55) Styrene	10.659	104	225977	48.410	ug/L	81
57) 1,1,2,2-Tetrachloroethane	11.213	83	107948	45.543	ug/L	98
59) Bromoform	10.799	173	61680	43.656	ug/L #	95
60) Isopropylbenzene	10.963	105	340200	45.508	ug/L	95
61) 1,2,3-Trichloropropane	11.244	75	84687	43.019	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	291671	45.986	ug/L	87
63) 1,2,4-Trimethylbenzene	11.756	105	292451m	45.959	ug/L	
64) 1,3-Dichlorobenzene	11.969	146	165537	48.577	ug/L	95
65) 1,4-Dichlorobenzene	12.042	146	165766	48.688	ug/L	95
67) 1,2-Dichlorobenzene	12.335	146	159387	47.091	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.945	75	25349	44.523	ug/L #	64
69) 1,3,5-Trichlorobenzene	13.115	180	124322	50.427	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	112875	52.488	ug/L	97
71) Naphthalene	13.780	128	370850	50.854	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	109995	51.594	ug/L	95

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

