

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021323\
 Data File : VX034136.D
 Acq On : 13 Feb 2023 10:58
 Operator : JC/MD
 Sample : VSTD01020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010620

Quant Time: Feb 13 12:45:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML021323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 13 12:44:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/14/2023
 Supervised By : Mahesh Dadoda 02/14/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	139839	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	125620	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	68838	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	6660	7.882	ug/L	0.00
7) Chloroethane-d5	1.672	69	4900	9.196	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.313	63	16138	9.750	ug/L	0.00
21) 2-Butanone-d5	4.459	46	11636	22.825	ug/L	0.00
24) Chloroform-d	5.056	84	20224	12.034	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	13127	12.692	ug/L	0.00
32) Benzene-d6	5.970	84	38461	10.650	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.306	67	11517	10.838	ug/L	0.00
41) Toluene-d8	8.647	98	38933	11.364	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	5475	11.119	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	8610	21.448	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	15434	11.475	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	16162	11.708	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	14764	12.876	ug/L	97
3) Chloromethane	1.294	50	6469	7.304	ug/L	90
5) Vinyl chloride	1.374	62	6620	7.387	ug/L	92
6) Bromomethane	1.611	94	4380	8.865	ug/L	99
8) Chloroethane	1.691	64	3538	7.353	ug/L	99
9) Trichlorofluoromethane	1.892	101	13234	9.662	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	8201	8.835	ug/L	94
12) 1,1-Dichloroethene	2.325	96	7193	8.555	ug/L	96
13) Acetone	2.380	43	6698	12.999	ug/L	93
14) Carbon disulfide	2.514	76	19687	8.682	ug/L	99
15) Methyl Acetate	2.703	43	7610	9.131	ug/L	99
16) Methylene chloride	2.794	84	8049	9.091	ug/L	91
17) trans-1,2-Dichloroethene	3.093	96	8808	10.180	ug/L	97
18) Methyl tert-butyl Ether	3.117	73	26920	10.467	ug/L	98
19) 1,1-Dichloroethane	3.611	63	13619	8.974	ug/L	96
20) cis-1,2-Dichloroethene	4.489	96	9960	10.066	ug/L	90
22) 2-Butanone	4.556	43	11341	17.729	ug/L	100
23) Bromochloromethane	4.897	128	5618	10.134	ug/L #	87
25) Chloroform	5.093	83	16796	10.275	ug/L	96
27) 1,2-Dichloroethane	6.080	62	13311	10.407	ug/L	98
29) Cyclohexane	5.477	56	13855m	8.945	ug/L	
30) 1,1,1-Trichloroethane	5.385	97	14591	9.789	ug/L	99
31) Carbon tetrachloride	5.678	117	13513	9.714	ug/L	99
33) Benzene	6.038	78	34594	9.109	ug/L	100
34) Trichloroethene	7.123	95	9714	9.345	ug/L	97
35) Methylcyclohexane	7.379	83	15710	9.544	ug/L	99
37) 1,2-Dichloropropane	7.428	63	9343	9.752	ug/L	100
38) Bromodichloromethane	7.818	83	12145	9.713	ug/L	97
39) cis-1,3-Dichloropropene	8.360	75	13053	8.791	ug/L	94
40) 4-Methyl-2-pentanone	8.574	43	21225	18.036	ug/L	97
42) Toluene	8.714	91	39734	9.776	ug/L	93
44) trans-1,3-Dichloropropene	8.976	75	12342	9.197	ug/L	97

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45) 1,1,2-Trichloroethane	9.153	97	9831	10.010	ug/L	96
46) Tetrachloroethene	9.275	164	9722	9.710	ug/L	96
48) 2-Hexanone	9.427	43	15991	17.146	ug/L	97
49) Dibromochloromethane	9.519	129	10580	9.853	ug/L	100
50) 1,2-Dibromoethane	9.610	107	10610	10.025	ug/L #	95
51) Chlorobenzene	10.079	112	27656	10.078	ug/L	97
52) Ethylbenzene	10.195	91	43295	9.644	ug/L	98
53) m,p-Xylene	10.299	106	17335	9.681	ug/L	89
54) o-Xylene	10.640	106	16577	9.587	ug/L	95
55) Styrene	10.653	104	27741	9.535	ug/L	95
57) 1,1,2,2-Tetrachloroethane	11.213	83	13207	9.592	ug/L #	98
59) Bromoform	10.799	173	8419	9.765	ug/L	96
60) Isopropylbenzene	10.963	105	44686	9.854	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	10465	9.974	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	37003	9.928	ug/L	97
63) 1,2,4-Trimethylbenzene	11.750	105	35661	9.774	ug/L	97
64) 1,3-Dichlorobenzene	11.969	146	22577	9.983	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	22516	9.845	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	21157	9.577	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	2636	9.896	ug/L	92
69) 1,3,5-Trichlorobenzene	13.116	180	16766	9.784	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	14312	9.194	ug/L	99
71) Naphthalene	13.774	128	38600	9.020	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	14244	9.260	ug/L	95

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

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