

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021323\
 Data File : VX034141.D
 Acq On : 13 Feb 2023 13:03
 Operator : JC/MD
 Sample : VSTD00524
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005624

Manual Integrations
 APPROVED

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

Quant Time: Feb 13 13:39:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML021323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 13 12:49:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	180688	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	154087	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	87568	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	3782	5.140	ug/L	0.00
7) Chloroethane-d5	1.672	69	2593	4.817	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.313	63	9477	4.946	ug/L	0.00
21) 2-Butanone-d5	4.452	46	5213	9.018	ug/L	0.00
24) Chloroform-d	5.050	84	9946m	4.637	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	7618	5.338	ug/L	0.00
32) Benzene-d6	5.970	84	21409	5.135	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.306	67	7015	5.466	ug/L	0.00
41) Toluene-d8	8.647	98	23284	6.144	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	3255	5.499	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	5137	11.213	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	9123	5.367	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.317	152	9936	5.696	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	8241	3.893	ug/L	95
3) Chloromethane	1.294	50	3106	3.476	ug/L	93
5) Vinyl chloride	1.374	62	3585	3.788	ug/L	100
6) Bromomethane	1.611	94	2470	3.815	ug/L	90
8) Chloroethane	1.691	64	1816	3.559	ug/L	90
9) Trichlorofluoromethane	1.892	101	6983	3.673	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	4847	4.189	ug/L	98
12) 1,1-Dichloroethene	2.319	96	3826	3.761	ug/L #	77
13) Acetone	2.374	43	3639	7.613	ug/L	95
14) Carbon disulfide	2.514	76	11450	3.897	ug/L	99
15) Methyl Acetate	2.703	43	3224	3.173	ug/L	93
16) Methylene chloride	2.794	84	3990	3.506	ug/L	93
17) trans-1,2-Dichloroethene	3.093	96	3579	3.193	ug/L	90
18) Methyl tert-butyl Ether	3.111	73	10506	3.000	ug/L	95
19) 1,1-Dichloroethane	3.605	63	6444	3.272	ug/L	91
20) cis-1,2-Dichloroethene	4.477	96	4574	3.571	ug/L	97
22) 2-Butanone	4.562	43	4730	6.562	ug/L	98
23) Bromochloromethane	4.897	128	2502m	3.353	ug/L	
25) Chloroform	5.080	83	7589m	3.272	ug/L	
27) 1,2-Dichloroethane	6.086	62	7418	3.885	ug/L	99
29) Cyclohexane	5.471	56	5958	3.237	ug/L	94
30) 1,1,1-Trichloroethane	5.385	97	7021	3.334	ug/L	97
31) Carbon tetrachloride	5.672	117	6695	3.332	ug/L	100
33) Benzene	6.037	78	17279	3.562	ug/L	100
34) Trichloroethene	7.123	95	5842	4.062	ug/L	94
35) Methylcyclohexane	7.379	83	9162	4.011	ug/L	96
37) 1,2-Dichloropropane	7.427	63	4831	3.781	ug/L #	92
38) Bromodichloromethane	7.824	83	6586	3.742	ug/L #	98
39) cis-1,3-Dichloropropene	8.366	75	7470	3.873	ug/L	89
40) 4-Methyl-2-pentanone	8.574	43	10735	7.602	ug/L	96
42) Toluene	8.714	91	20772	4.222	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	6614	3.783	ug/L	99

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45) 1,1,2-Trichloroethane	9.153	97	5200	4.157	ug/L	94
46) Tetrachloroethene	9.269	164	5494	4.186	ug/L	93
48) 2-Hexanone	9.433	43	8475	8.068	ug/L	97
49) Dibromochloromethane	9.519	129	5345	3.594	ug/L	96
50) 1,2-Dibromoethane	9.610	107	5399	3.824	ug/L #	98
51) Chlorobenzene	10.079	112	14827	4.043	ug/L	98
52) Ethylbenzene	10.195	91	23757	3.947	ug/L	96
53) m,p-Xylene	10.299	106	9563	3.956	ug/L	94
54) o-Xylene	10.640	106	9062	3.816	ug/L	96
55) Styrene	10.659	104	14946	3.726	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	7201	3.804	ug/L #	96
59) Bromoform	10.799	173	4197	3.355	ug/L	97
60) Isopropylbenzene	10.963	105	24143	3.870	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	5564	3.905	ug/L	94
62) 1,3,5-Trimethylbenzene	11.451	105	19414	3.733	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	18885	3.773	ug/L	97
64) 1,3-Dichlorobenzene	11.969	146	11940	3.816	ug/L	98
65) 1,4-Dichlorobenzene	12.043	146	13041	4.136	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	12369	4.061	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.939	75	1477	3.741	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.115	180	9292	3.885	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	8190	3.805	ug/L	97
71) Naphthalene	13.774	128	21422	3.703	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	8468	4.031	ug/L	99

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

