

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012825\
 Data File : VX044741.D
 Acq On : 28 Jan 2025 11:24
 Operator : JC/MD
 Sample : VSTD20065
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200665

Quant Time: Jan 28 11:58:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012825WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 28 11:15:17 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/29/2025
 Supervised By : Mahesh Dadoda 01/30/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	296483	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	250615	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	110110	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	481714	196.524	ug/L	0.00
7) Chloroethane-d5	1.642	69	145405m	192.847	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	207696	210.870	ug/L	0.00
21) 2-Butanone-d5	4.458	46	253210	205.433	ug/L	0.00
24) Chloroform-d	5.050	84	820286	196.283	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	480532	183.838	ug/L	0.00
32) Benzene-d6	5.970	84	1628516	197.761	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.305	67	524521	201.094	ug/L	0.00
41) Toluene-d8	8.646	98	1430130	194.939	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.945	79	257707	197.674	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	310112	407.431	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	615135	193.290	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.316	152	435756	188.251	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	465448	261.115	ug/L	99
3) Chloromethane	1.306	50	512396	222.800	ug/L	100
5) Vinyl chloride	1.373	62	506562	234.210	ug/L	99
6) Bromomethane	1.593	94	130756	241.761	ug/L	98
8) Chloroethane	1.660	64	133532m	188.558	ug/L	
9) Trichlorofluoromethane	1.867	101	580286	270.806	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.318	101	410718	238.793	ug/L	98
12) 1,1-Dichloroethene	2.306	96	394312	244.589	ug/L #	78
13) Acetone	2.385	43	383515	467.617	ug/L	100
14) Carbon disulfide	2.501	76	1201189	235.903	ug/L	99
15) Methyl Acetate	2.702	43	482457	246.356	ug/L	99
16) Methylene chloride	2.782	84	447057	230.958	ug/L	99
17) trans-1,2-Dichloroethene	3.086	96	410512	235.117	ug/L	98
18) Methyl tert-butyl Ether	3.111	73	1397530	229.004	ug/L	99
19) 1,1-Dichloroethane	3.605	63	803319	233.182	ug/L	99
20) cis-1,2-Dichloroethene	4.483	96	488687	234.086	ug/L	100
22) 2-Butanone	4.556	43	688831	539.772	ug/L	95
23) Bromochloromethane	4.897	128	235738	231.995	ug/L	95
25) Chloroform	5.086	83	782904	226.494	ug/L	99
27) 1,2-Dichloroethane	6.080	62	587182	223.318	ug/L	97
29) Cyclohexane	5.464	56	793706	249.469	ug/L	98
30) 1,1,1-Trichloroethane	5.379	97	668709	235.142	ug/L	99
31) Carbon tetrachloride	5.671	117	567222	231.307	ug/L	99
33) Benzene	6.031	78	1691166	232.600	ug/L	100
34) Trichloroethene	7.116	95	447736	240.120	ug/L	98
35) Methylcyclohexane	7.372	83	746838	237.463	ug/L	100
37) 1,2-Dichloropropane	7.427	63	459429	236.154	ug/L	100
38) Bromodichloromethane	7.817	83	592020	230.264	ug/L	98
39) cis-1,3-Dichloropropene	8.360	75	781570	238.130	ug/L	99
40) 4-Methyl-2-pentanone	8.573	43	1202710	483.015	ug/L	100
42) Toluene	8.713	91	1726863	230.200	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	695457	233.823	ug/L	100

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45) 1,1,2-Trichloroethane	9.146	97	421389	223.409	ug/L	99
46) Tetrachloroethene	9.268	164	310146	239.048	ug/L	98
48) 2-Hexanone	9.433	43	870266	488.045	ug/L	99
49) Dibromochloromethane	9.518	129	435668	224.843	ug/L	100
50) 1,2-Dibromoethane	9.604	107	449845	230.496	ug/L	98
51) Chlorobenzene	10.079	112	1064848	227.354	ug/L	98
52) Ethylbenzene	10.189	91	1880304	229.880	ug/L	100
53) m,p-Xylene	10.299	106	703386	229.132	ug/L	98
54) o-Xylene	10.640	106	670154	220.228	ug/L	100
55) Styrene	10.652	104	1115262	222.252	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.213	83	634898	224.494	ug/L	99
59) Bromoform	10.798	173	303011	223.444	ug/L	100
60) Isopropylbenzene	10.963	105	1751666	221.029	ug/L	99
61) 1,2,3-Trichloropropane	11.237	75	475774	219.442	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	1439056	218.507	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	1425908	220.851	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	733505	224.442	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	728618	226.272	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	713688	219.165	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.938	75	141731	231.556	ug/L	96
69) 1,3,5-Trichlorobenzene	13.109	180	500357	237.722	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	472249	249.189	ug/L	99
71) Naphthalene	13.774	128	1747727	237.460	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	463043	238.515	ug/L	98

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

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