

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012725\
 Data File : VU063008.D
 Acq On : 27 Jan 2025 10:31
 Operator : MD/SY
 Sample : VSTD0.568
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5068

Quant Time: Jan 28 13:51:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 28 13:50:07 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/28/2025
 Supervised By : Mahesh Dadoda 01/30/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	103472	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	96227	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	49704	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	2001	0.367	ug/L	0.00
7) Chloroethane-d5	1.904	69	1190	0.278	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	65	1031	0.362	ug/L	0.00
20) 2-Butanone-d5	4.640	46	5181m	4.583	ug/L	0.04
24) Chloroform-d	5.052	84	6983	0.498	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.705	65	3989	0.516	ug/L	0.02
32) Benzene-d6	5.721	84	11469	0.506	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	2869	0.468	ug/L	0.00
41) Toluene-d8	7.891	98	10202	0.455	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	1543	0.478	ug/L	0.00
46) 2-Hexanone-d5	8.631	63	3517	3.612	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	2648	0.494	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	4344	0.523	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	4631	0.466	ug/L	100
3) Chloromethane	1.515	50	2628	0.412	ug/L	90
5) Vinyl chloride	1.599	62	2801	0.395	ug/L	99
6) Bromomethane	1.846	94	1075	0.223	ug/L #	65
8) Chloroethane	1.923	64	1216	0.294	ug/L	96
9) Trichlorofluoromethane	2.129	101	6149	0.419	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	3148	0.444	ug/L #	83
12) 1,1-Dichloroethene	2.573	96	2839	0.458	ug/L	91
13) Acetone	2.621	43	3862	4.236	ug/L	89
14) Carbon disulfide	2.782	76	7979	0.416	ug/L	96
15) Methyl Acetate	2.952	43	807	0.431	ug/L #	75
16) Methylene chloride	3.036	84	3398	0.502	ug/L	95
17) Methyl tert-butyl Ether	3.354	73	9185	0.527	ug/L	95
18) trans-1,2-Dichloroethene	3.348	96	3291	0.496	ug/L	97
19) 1,1-Dichloroethane	3.849	63	5765	0.491	ug/L	93
21) 2-Butanone	4.730	43	5228m	4.407	ug/L	
22) cis-1,2-Dichloroethene	4.663	96	3740	0.514	ug/L	95
23) Bromochloromethane	4.968	128	1568	0.444	ug/L	92
25) Chloroform	5.071	83	7877	0.525	ug/L	93
27) 1,2-Dichloroethane	5.791	62	5427	0.544	ug/L #	96
29) 1,1,1-Trichloroethane	5.306	97	8455	0.573	ug/L	94
30) Cyclohexane	5.377	56	4081	0.462	ug/L #	78
31) Carbon tetrachloride	5.512	117	7824	0.569	ug/L	98
33) Benzene	5.766	78	12950	0.488	ug/L	100
34) Trichloroethene	6.537	95	4662	0.509	ug/L	91
35) Methylcyclohexane	6.753	83	5420	0.486	ug/L	96
37) 1,2-Dichloropropane	6.779	63	2836	0.459	ug/L #	85
38) Bromodichloromethane	7.097	83	5801	0.554	ug/L	95
39) cis-1,3-Dichloropropene	7.598	75	5016	0.466	ug/L	91
40) 4-Methyl-2-pentanone	7.785	43	14664	5.040	ug/L	97
42) Toluene	7.962	91	14600	0.495	ug/L	91
44) trans-1,3-Dichloropropene	8.206	75	4439	0.470	ug/L	95

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45) 1,1,2-Trichloroethane	8.393	97	2701	0.517	ug/L	82
47) Tetrachloroethene	8.547	164	3699	0.555	ug/L	81
48) 2-Hexanone	8.682	43	8713	4.166	ug/L #	96
49) Dibromochloromethane	8.801	129	4042	0.553	ug/L	82
50) 1,2-Dibromoethane	8.917	107	2554	0.506	ug/L #	89
51) Chlorobenzene	9.438	112	10181	0.517	ug/L	99
52) Ethylbenzene	9.563	91	17627	0.522	ug/L	97
53) m,p-Xylene	9.692	106	6572	0.515	ug/L	71
54) o-Xylene	10.094	106	5508	0.452	ug/L	73
55) Styrene	10.110	104	9046	0.445	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	3016	0.518	ug/L #	85
59) Bromoform	10.280	173	2612	0.585	ug/L #	90
60) Isopropylbenzene	10.476	105	16421	0.490	ug/L	98
61) 1,2,3-Trichloropropane	10.814	75	2613	0.611	ug/L #	90
62) 1,3,5-Trimethylbenzene	11.081	105	14879	0.519	ug/L	93
63) 1,2,4-Trimethylbenzene	11.463	105	12937	0.466	ug/L	95
64) 1,3-Dichlorobenzene	11.740	146	8702	0.548	ug/L	95
65) 1,4-Dichlorobenzene	11.827	146	8659	0.538	ug/L	94
67) 1,2-Dichlorobenzene	12.206	146	8570	0.575	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.994	75	476	0.420	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.219	180	6869	0.566	ug/L	95
70) 1,2,4-trichlorobenzene	13.839	180	5047	0.520	ug/L	95
71) Naphthalene	14.093	128	6298	0.458	ug/L #	90
72) 1,2,3-Trichlorobenzene	14.325	180	4581	0.539	ug/L	90

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

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