

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012725\
 Data File : VU063055.D
 Acq On : 28 Jan 2025 08:10
 Operator : MD/SY
 Sample : Q1196-02MS
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E2964MS

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/30/2025
 Supervised By :Semsettin Yesilyurt 01/30/2025

Quant Time: Jan 29 08:22:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 29 08:16:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.344	114	117415	5.000	ug/L	0.11
28) Chlorobenzene-d5	9.431	117	103797	5.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.807	152	61227	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.708	65	20942	4.962	ug/L	0.11
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.200%
7) Chloroethane-d5	2.029	69	21668	6.761	ug/L	0.13
Spiked Amount	5.000	Range	65 - 130	Recovery	=	135.200%#
11) 1,1-Dichloroethene-d2	2.685	65	14380	5.697	ug/L	0.13
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.000%
20) 2-Butanone-d5	4.798	46	30963	25.275	ug/L	0.20
Spiked Amount	50.000	Range	40 - 130	Recovery	=	50.560%
24) Chloroform-d	5.139	84	55136	3.288	ug/L	0.09
Spiked Amount	5.000	Range	70 - 125	Recovery	=	65.800%#
26) 1,2-Dichloroethane-d4	5.827	65	38594	4.032	ug/L	0.14
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
32) Benzene-d6	5.849	84	105137	4.433	ug/L	0.13
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.772	67	25663	4.249	ug/L	0.10
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.000%
41) Toluene-d8	7.939	98	106166	4.527	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	8.213	79	16536	4.423	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.663	63	41241	44.208	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.420%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	23999	4.185	ug/L	0.01
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	48114	4.390	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.505	85	54953	5.225	ug/L	100
3) Chloromethane	1.631	50	25625m	5.065	ug/L	
5) Vinyl chloride	1.714	62	32466	5.748	ug/L	88
6) Bromomethane	1.972	94	13906	5.146	ug/L	95
8) Chloroethane	2.049	64	21449	7.520	ug/L	94
9) Trichlorofluoromethane	2.255	101	91015	6.373	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.698	101	42059	5.986	ug/L	91
12) 1,1-Dichloroethene	2.701	96	36905	6.050	ug/L	89
13) Acetone	2.859	43	71081m	89.736	ug/L	
14) Carbon disulfide	2.914	76	109983	7.038	ug/L	100
15) Methyl Acetate	3.126	43	22722m	14.937	ug/L	
16) Methylene chloride	3.177	84	35987	5.597	ug/L	97
17) Methyl tert-butyl Ether	3.521	73	104421	5.715	ug/L	97
18) trans-1,2-Dichloroethene	3.480	96	39196	6.005	ug/L	98
19) 1,1-Dichloroethane	3.997	63	46575	4.116	ug/L	96
21) 2-Butanone	4.869	43	33477	30.987	ug/L	86
22) cis-1,2-Dichloroethene	4.762	96	30277	3.881	ug/L	84
23) Bromochloromethane	5.049	128	15898	4.061	ug/L #	74
25) Chloroform	5.161	83	57738	3.532	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.917	62	47764	4.168	ug/L	98
29) 1,1,1-Trichloroethane	5.396	97	77914	4.841	ug/L	98
30) Cyclohexane	5.470	56	36594	4.881	ug/L #	78
31) Carbon tetrachloride	5.627	117	74725	4.822	ug/L	100
33) Benzene	5.891	78	144835	5.760	ug/L	100
34) Trichloroethene	6.624	95	54296	6.354	ug/L	92
35) Methylcyclohexane	6.833	83	52585	4.884	ug/L	92
37) 1,2-Dichloropropane	6.869	63	24722	4.371	ug/L #	94
38) Bromodichloromethane	7.168	83	53220	4.696	ug/L	98
39) cis-1,3-Dichloropropene	7.656	75	48163	4.523	ug/L	98
40) 4-Methyl-2-pentanone	7.840	43	121288	44.453	ug/L #	94
42) Toluene	8.007	91	316328	10.583	ug/L	100
44) trans-1,3-Dichloropropene	8.241	75	45596	4.649	ug/L	99
45) 1,1,2-Trichloroethane	8.431	97	24377	4.580	ug/L	89
47) Tetrachloroethene	8.579	164	345437	46.479	ug/L	92
48) 2-Hexanone	8.711	43	82657m	43.677	ug/L	
49) Dibromochloromethane	8.833	129	39724	4.782	ug/L	93
50) 1,2-Dibromoethane	8.949	107	25290	4.703	ug/L	100
51) Chlorobenzene	9.460	112	102469	4.944	ug/L	94
52) Ethylbenzene	9.582	91	234710	6.738	ug/L	97
53) m,p-Xylene	9.701	106	143002	10.630	ug/L	100
54) o-Xylene	10.106	106	107971	8.761	ug/L	98
55) Styrene	10.119	104	114803	5.510	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.782	83	25583	4.296	ug/L #	93
59) Bromoform	10.296	173	27388	4.707	ug/L	98
60) Isopropylbenzene	10.486	105	197352	5.087	ug/L	99
61) 1,2,3-Trichloropropane	10.823	75	19428	3.943	ug/L	92
62) 1,3,5-Trimethylbenzene	11.084	105	187096	5.500	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	221157	6.874	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	94423	4.794	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	94021	4.758	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	82780	4.467	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.987	75	6629	5.088	ug/L #	68
69) 1,3,5-Trichlorobenzene	13.209	180	79108	5.027	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	72554	5.892	ug/L	99
71) Naphthalene	14.074	128	640039	40.502	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	63620	5.979	ug/L	95

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

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