

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122723\
 Data File : VU057285.D
 Acq On : 27 Dec 2023 17:01
 Operator : MD/SY
 Sample : VSTD00118
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001018

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/29/2023
 Supervised By : Mahesh Dadoda 12/29/2023

Quant Time: Dec 28 00:17:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 28 00:16:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	239229	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	244612	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	109567	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	19720	0.880	ug/L	0.00
7) Chloroethane-d5	1.909	69	15993	0.871	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	65	8056	0.849	ug/L	0.00
20) 2-Butanone-d5	4.649	46	41959	11.057	ug/L	0.01
24) Chloroform-d	5.060	84	36602	0.864	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	18454	0.898	ug/L	0.00
32) Benzene-d6	5.723	84	64687	0.801	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	19995	0.853	ug/L	0.00
41) Toluene-d8	7.893	98	53796	0.738	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	7716	0.791	ug/L	0.00
46) 2-Hexanone-d5	8.633	63	28951	8.247	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	16342	0.949	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	18988	0.834	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	19799	0.928	ug/L	96
3) Chloromethane	1.517	50	20825	1.052	ug/L	93
5) Vinyl chloride	1.601	62	20680	0.999	ug/L	99
6) Bromomethane	1.855	94	9578	1.029	ug/L	91
8) Chloroethane	1.932	64	14140	1.077	ug/L	99
9) Trichlorofluoromethane	2.134	101	31667	0.870	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	18743	0.964	ug/L	96
12) 1,1-Dichloroethene	2.575	96	17039	0.973	ug/L	96
13) Acetone	2.655	43	30167m	13.205	ug/L	
14) Carbon disulfide	2.790	76	46937	0.861	ug/L	100
15) Methyl Acetate	2.961	43	7182	1.348	ug/L	91
16) Methylene chloride	3.041	84	25136	1.212	ug/L	95
17) Methyl tert-butyl Ether	3.356	73	39804	1.044	ug/L	98
18) trans-1,2-Dichloroethene	3.350	96	16231	0.957	ug/L	94
19) 1,1-Dichloroethane	3.867	63	34606	1.014	ug/L	92
21) 2-Butanone	4.726	43	41046	11.689	ug/L	87
22) cis-1,2-Dichloroethene	4.658	96	18084	0.962	ug/L	95
23) Bromochloromethane	4.970	128	8381	1.010	ug/L	94
25) Chloroform	5.080	83	36401	0.956	ug/L	97
27) 1,2-Dichloroethane	5.790	62	22718	1.003	ug/L	97
29) 1,1,1-Trichloroethane	5.308	97	31683	0.854	ug/L	99
30) Cyclohexane	5.385	56	20466	0.799	ug/L	94
31) Carbon tetrachloride	5.517	117	27713	0.854	ug/L	90
33) Benzene	5.771	78	69824	0.918	ug/L	100
34) Trichloroethene	6.536	95	19191	0.874	ug/L	99
35) Methylcyclohexane	6.758	83	22168	0.772	ug/L	98
37) 1,2-Dichloropropane	6.784	63	20070	1.040	ug/L	100
38) Bromodichloromethane	7.102	83	25405	0.926	ug/L	94
39) cis-1,3-Dichloropropene	7.604	75	23972	0.835	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	89809	10.255	ug/L	99
42) Toluene	7.964	91	68841	0.862	ug/L	95
44) trans-1,3-Dichloropropene	8.208	75	22380	0.915	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.395	97	14362	1.061	ug/L	96
47) Tetrachloroethene	8.546	164	13549	0.866	ug/L	97
48) 2-Hexanone	8.684	43	67423	10.413	ug/L	94
49) Dibromochloromethane	8.803	129	16467	0.964	ug/L	100
50) 1,2-Dibromoethane	8.922	107	13344	1.061	ug/L	95
51) Chlorobenzene	9.443	112	46264	0.886	ug/L	99
52) Ethylbenzene	9.565	91	69754	0.782	ug/L	95
53) m,p-Xylene	9.690	106	25229	0.772	ug/L	99
54) o-Xylene	10.099	106	24851	0.787	ug/L	93
55) Styrene	10.112	104	39478	0.756	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	17699	1.081	ug/L	98
59) Bromoform	10.285	173	9234	1.097	ug/L	96
60) Isopropylbenzene	10.481	105	64519	0.831	ug/L	98
61) 1,2,3-Trichloropropane	10.816	75	12628	1.203	ug/L	98
62) 1,3,5-Trimethylbenzene	11.083	105	46786	0.738	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	44823	0.717	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	33064	0.892	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	33887	0.909	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	32759	0.981	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	2614	1.119	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	23505	0.859	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	18241	0.846	ug/L	96
71) Naphthalene	14.086	128	25152	0.893	ug/L	97
72) 1,2,3-Trichlorobenzene	14.327	180	15127	0.881	ug/L	99

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

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