

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091923\
 Data File : VU055390.D
 Acq On : 19 Sep 2023 14:05
 Operator : MD/SY
 Sample : VSTD00162
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001062

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/20/2023
 Supervised By : Mahesh Dadoda 09/21/2023

Quant Time: Sep 20 05:25:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 20 05:24:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	246140	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	254063	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	135898	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	24489	1.523	ug/L	0.00
7) Chloroethane-d5	1.910	69	20990	1.253	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	9887	1.636	ug/L	0.00
20) 2-Butanone-d5	4.637	46	39127	9.819	ug/L	0.00
24) Chloroform-d	5.061	84	44010	1.298	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.701	65	20716	1.224	ug/L	0.00
32) Benzene-d6	5.727	84	84730	1.410	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	24702	1.255	ug/L	0.00
41) Toluene-d8	7.897	98	73016	1.381	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	8436	1.198	ug/L	0.00
46) 2-Hexanone-d5	8.634	63	22086	9.195	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	18228	1.109	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	25554	1.325	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	23719	1.013	ug/L	98
3) Chloromethane	1.518	50	21776	0.991	ug/L	99
5) Vinyl chloride	1.602	62	22931	0.960	ug/L	95
6) Bromomethane	1.856	94	14564	0.823	ug/L	95
8) Chloroethane	1.930	64	14063	0.760	ug/L	95
9) Trichlorofluoromethane	2.136	101	31293	0.849	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	19413	1.009	ug/L	98
12) 1,1-Dichloroethene	2.579	96	17165	0.998	ug/L	92
13) Acetone	2.647	43	25746m	10.242	ug/L	
14) Carbon disulfide	2.791	76	51723	0.964	ug/L	97
15) Methyl Acetate	2.955	43	6687m	1.129	ug/L	
16) Methylene chloride	3.042	84	19759	0.778	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	35656	0.883	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	17237	0.928	ug/L	94
19) 1,1-Dichloroethane	3.865	63	32186	0.900	ug/L	97
21) 2-Butanone	4.717	43	34845	8.562	ug/L	98
22) cis-1,2-Dichloroethene	4.666	96	20440	0.943	ug/L	93
23) Bromochloromethane	4.975	128	8540	0.963	ug/L	95
25) Chloroform	5.084	83	33075	0.853	ug/L	97
27) 1,2-Dichloroethane	5.795	62	20240	0.846	ug/L	96
29) 1,1,1-Trichloroethane	5.312	97	28282	0.900	ug/L	99
30) Cyclohexane	5.383	56	24923	0.849	ug/L	99
31) Carbon tetrachloride	5.524	117	24366	0.903	ug/L	96
33) Benzene	5.772	78	70536	0.866	ug/L	100
34) Trichloroethene	6.540	95	20387	0.880	ug/L	97
35) Methylcyclohexane	6.759	83	28016	0.836	ug/L	100
37) 1,2-Dichloropropane	6.788	63	18950	0.894	ug/L #	96
38) Bromodichloromethane	7.103	83	21131	0.829	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	23053	0.790	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	78990	7.863	ug/L	99
42) Toluene	7.968	91	74767	0.844	ug/L	97
44) trans-1,3-Dichloropropene	8.209	75	17715	0.774	ug/L	90

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

45) 1,1,2-Trichloroethane	8.399	97	13289	0.890	ug/L	94
47) Tetrachloroethene	8.553	164	14388	0.890	ug/L	94
48) 2-Hexanone	8.685	43	60284	7.967	ug/L	99
49) Dibromochloromethane	8.807	129	13501	0.885	ug/L	91
50) 1,2-Dibromoethane	8.923	107	11770	0.854	ug/L #	97
51) Chlorobenzene	9.447	112	49321	0.863	ug/L	99
52) Ethylbenzene	9.569	91	79050	0.819	ug/L	97
53) m,p-Xylene	9.695	106	28223	0.774	ug/L	93
54) o-Xylene	10.100	106	27982	0.811	ug/L	91
55) Styrene	10.116	104	41862	0.723	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.781	83	13916	0.849	ug/L	91
59) Bromoform	10.290	173	6745	0.866	ug/L #	98
60) Isopropylbenzene	10.482	105	72749	0.769	ug/L	97
61) 1,2,3-Trichloropropane	10.820	75	10849	0.854	ug/L	96
62) 1,3,5-Trimethylbenzene	11.087	105	55638	0.762	ug/L	97
63) 1,2,4-Trimethylbenzene	11.466	105	53554	0.726	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	36676	0.833	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	35890	0.836	ug/L	97
67) 1,2-Dichlorobenzene	12.212	146	33905	0.859	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.997	75	1815	0.834	ug/L #	90
69) 1,3,5-Trichlorobenzene	13.219	180	24790	0.821	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	17440	0.747	ug/L	98
71) Naphthalene	14.090	128	23763	0.706	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	14603	0.717	ug/L	97

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

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