

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091923\
 Data File : VU055389.D
 Acq On : 19 Sep 2023 13:06
 Operator : MD/SY
 Sample : VSTD0.561
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5061

Manual Integrations
 APPROVED

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

Quant Time: Sep 20 05:24:45 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	6.248	114	240622	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	249112	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	124200	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	11990	0.763	ug/L	0.00
7) Chloroethane-d5	1.911	69	10164	0.620	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.567	65	5101	0.864	ug/L	0.00
20) 2-Butanone-d5	4.656	46	20650	5.301	ug/L	0.03
24) Chloroform-d	5.062	84	20174	0.608	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.701	65	10049	0.607	ug/L	0.00
32) Benzene-d6	5.727	84	40191	0.682	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.692	67	12837	0.665	ug/L	0.00
41) Toluene-d8	7.898	98	35685	0.688	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	3505	0.508	ug/L	0.00
46) 2-Hexanone-d5	8.637	63	10345	4.392	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.756	84	9024	0.560	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	12862	0.730	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	12701	0.555	ug/L	97
3) Chloromethane	1.515	50	11435	0.532	ug/L	98
5) Vinyl chloride	1.602	62	11903	0.510	ug/L	92
6) Bromomethane	1.856	94	7385	0.427	ug/L	97
8) Chloroethane	1.933	64	7584	0.419	ug/L	86
9) Trichlorofluoromethane	2.136	101	15334	0.425	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	9895	0.526	ug/L	93
12) 1,1-Dichloroethene	2.579	96	8424	0.501	ug/L	81
13) Acetone	2.657	43	14806m	6.025	ug/L	
14) Carbon disulfide	2.792	76	25643	0.489	ug/L	99
15) Methyl Acetate	2.959	43	2853	0.493	ug/L #	85
16) Methylene chloride	3.039	84	11577	0.466	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	18546	0.470	ug/L	97
18) trans-1,2-Dichloroethene	3.351	96	8613	0.474	ug/L	84
19) 1,1-Dichloroethane	3.865	63	16185	0.463	ug/L	98
21) 2-Butanone	4.730	43	19442	4.887	ug/L	82
22) cis-1,2-Dichloroethene	4.669	96	10757	0.507	ug/L	88
23) Bromochloromethane	4.978	128	4570	0.527	ug/L #	94
25) Chloroform	5.087	83	17542	0.463	ug/L	96
27) 1,2-Dichloroethane	5.798	62	11347	0.485	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	14986	0.486	ug/L	97
30) Cyclohexane	5.386	56	12722	0.442	ug/L	99
31) Carbon tetrachloride	5.521	117	12184	0.460	ug/L	97
33) Benzene	5.772	78	37054	0.464	ug/L	100
34) Trichloroethene	6.541	95	11499	0.506	ug/L	93
35) Methylcyclohexane	6.762	83	14143	0.431	ug/L	98
37) 1,2-Dichloropropane	6.788	63	10240	0.493	ug/L	99
38) Bromodichloromethane	7.103	83	11489	0.460	ug/L	93
39) cis-1,3-Dichloropropene	7.608	75	11121	0.389	ug/L	96
40) 4-Methyl-2-pentanone	7.791	43	42996	4.365	ug/L	99
42) Toluene	7.968	91	37181	0.428	ug/L	98
44) trans-1,3-Dichloropropene	8.213	75	9496	0.423	ug/L	99

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

45) 1,1,2-Trichloroethane	8.402	97	6871	0.469	ug/L	94
47) Tetrachloroethene	8.550	164	7319	0.462	ug/L	98
48) 2-Hexanone	8.685	43	31884	4.298	ug/L	94
49) Dibromochloromethane	8.807	129	6612	0.442	ug/L	81
50) 1,2-Dibromoethane	8.923	107	6387	0.472	ug/L #	95
51) Chlorobenzene	9.444	112	25205	0.450	ug/L	99
52) Ethylbenzene	9.569	91	38748	0.409	ug/L	97
53) m,p-Xylene	9.695	106	13791	0.386	ug/L	94
54) o-Xylene	10.100	106	13889	0.410	ug/L	97
55) Styrene	10.116	104	19939	0.351	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	7758	0.483	ug/L	91
59) Bromoform	10.290	173	3478	0.488	ug/L #	91
60) Isopropylbenzene	10.483	105	35072	0.406	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	5365	0.462	ug/L	94
62) 1,3,5-Trimethylbenzene	11.087	105	27328	0.409	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	26821	0.398	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	18214	0.452	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	19026	0.485	ug/L	91
67) 1,2-Dichlorobenzene	12.212	146	16769	0.465	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	636	0.320	ug/L	89
69) 1,3,5-Trichlorobenzene	13.222	180	12707	0.461	ug/L	96
70) 1,2,4-trichlorobenzene	13.843	180	9735	0.456	ug/L	97
71) Naphthalene	14.093	128	13448m	0.437	ug/L	
72) 1,2,3-Trichlorobenzene	14.328	180	8294	0.445	ug/L	95

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

