

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030422\
 Data File : VU047325.D
 Acq On : 04 Mar 2022 12:41
 Operator : SY/MD
 Sample : VSTD0.507
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5007

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/07/2022
 Supervised By : Mahesh Dadoda 03/07/2022

Quant Time: Mar 04 14:46:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 04 14:46:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	193687	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	181931	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	102293	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	6790	0.510	ug/L	0.00
7) Chloroethane-d5	1.919	69	5544	0.501	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.575	65	2675	0.488	ug/L	0.00
20) 2-Butanone-d5	4.665	46	21984m	5.521	ug/L	0.02
24) Chloroform-d	5.070	84	12293	0.498	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.707	65	6987	0.504	ug/L	0.00
32) Benzene-d6	5.732	84	24791	0.499	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	7903	0.505	ug/L	0.00
41) Toluene-d8	7.899	98	22459	0.484	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	3283	0.486	ug/L	0.00
46) 2-Hexanone-d5	8.639	63	18394	4.821	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	7753	0.495	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	9474	0.473	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	4883	0.414	ug/L	95
3) Chloromethane	1.527	50	7148	0.500	ug/L	97
5) Vinyl chloride	1.607	62	6317	0.478	ug/L	99
6) Bromomethane	1.864	94	3643	0.500	ug/L	92
8) Chloroethane	1.941	64	3697	0.482	ug/L	97
9) Trichlorofluoromethane	2.144	101	6717	0.429	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	3797	0.421	ug/L	90
12) 1,1-Dichloroethene	2.588	96	4468	0.466	ug/L	86
13) Acetone	2.691	43	10539m	9.578	ug/L	
14) Carbon disulfide	2.800	76	14633	0.468	ug/L	100
15) Methyl Acetate	2.977	43	1921	0.480	ug/L	94
17) Methyl tert-butyl Ether	3.372	73	13273	0.496	ug/L	96
18) trans-1,2-Dichloroethene	3.363	96	5148	0.483	ug/L	83
19) 1,1-Dichloroethane	3.880	63	8376	0.474	ug/L	98
21) 2-Butanone	4.752	43	18193m	5.988	ug/L	
22) cis-1,2-Dichloroethene	4.674	96	5568	0.480	ug/L	90
23) Bromochloromethane	4.980	128	2705	0.472	ug/L	88
27) 1,2-Dichloroethane	5.800	62	6394	0.490	ug/L	98
29) 1,1,1-Trichloroethane	5.321	97	6997	0.454	ug/L	96
30) Cyclohexane	5.391	56	6282	0.427	ug/L	98
31) Carbon tetrachloride	5.530	117	5827	0.441	ug/L	98
33) Benzene	5.777	78	20671	0.484	ug/L	100
34) Trichloroethene	6.546	95	5218	0.471	ug/L	94
35) Methylcyclohexane	6.768	83	6363	0.400	ug/L	96
37) 1,2-Dichloropropane	6.797	63	5139	0.483	ug/L #	94
38) Bromodichloromethane	7.108	83	6672	0.481	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	7738	0.467	ug/L	95
40) 4-Methyl-2-pentanone	7.796	43	38532	4.855	ug/L	99
42) Toluene	7.970	91	21918	0.473	ug/L	97
44) trans-1,3-Dichloropropene	8.211	75	6595	0.456	ug/L #	51
45) 1,1,2-Trichloroethane	8.401	97	4361	0.477	ug/L	97
47) Tetrachloroethene	8.555	164	4235	0.455	ug/L	83

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

48) 2-Hexanone	8.690	43	27901	4.757	ug/L	98
49) Dibromochloromethane	8.809	129	4735	0.453	ug/L	92
50) 1,2-Dibromoethane	8.928	107	4301	0.466	ug/L #	98
51) Chlorobenzene	9.446	112	15145	0.484	ug/L	94
52) Ethylbenzene	9.571	91	22620	0.467	ug/L	97
53) m,p-Xylene	9.694	106	9086	0.469	ug/L	93
54) o-Xylene	10.102	106	8654	0.465	ug/L	97
55) Styrene	10.115	104	14150	0.454	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.783	83	5929	0.478	ug/L	95
59) Bromoform	10.295	173	2998	0.407	ug/L	99
60) Isopropylbenzene	10.484	105	20990	0.402	ug/L	100
61) 1,2,3-Trichloropropane	10.822	75	4220	0.459	ug/L	96
62) 1,3,5-Trimethylbenzene	11.089	105	13959	0.404	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	18400	0.411	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	12206	0.457	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	12823	0.469	ug/L	97
67) 1,2-Dichlorobenzene	12.214	146	12239	0.463	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.992	75	913	0.429	ug/L #	73
69) 1,3,5-Trichlorobenzene	13.221	180	9872	0.435	ug/L	94
70) 1,2,4-trichlorobenzene	13.841	180	9514	0.469	ug/L	95
71) Naphthalene	14.086	128	18461	0.456	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	8638	0.453	ug/L	96

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

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