

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021323\
 Data File : VU053069.D
 Acq On : 13 Feb 2023 10:02
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005139

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/15/2023
 Supervised By :Mahesh Dadoda 02/15/2023

Quant Time: Feb 14 00:33:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Feb 12 22:49:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	120152	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	105782	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	49556	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	25687	4.463	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	89.200%		
7) Chloroethane-d5	1.913	69	24836	4.590	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	91.800%		
11) 1,1-Dichloroethene-d2	2.563	65	11792	4.466	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	89.400%		
20) 2-Butanone-d5	4.649	46	93331	52.943	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	105.880%		
24) Chloroform-d	5.058	84	62465	4.716	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	94.400%		
26) 1,2-Dichloroethane-d4	5.698	65	31471	4.715	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	94.400%		
32) Benzene-d6	5.723	84	112450	4.731	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	94.600%		
36) 1,2-Dichloropropane-d6	6.685	67	39706	4.796	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	96.000%		
41) Toluene-d8	7.894	98	98620	4.592	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	91.800%		
43) trans-1,3-Dichloroprop...	8.177	79	14366	4.286	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	85.800%		
46) 2-Hexanone-d5	8.630	63	77799	52.283	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	104.560%		
56) 1,1,2,2-Tetrachloroeth...	10.752	84	35192	4.950	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	99.000%		
66) 1,2-Dichlorobenzene-d4	12.189	152	36598	4.944	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	98.800%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	42544	4.823	ug/L	98
3) Chloromethane	1.518	50	44801	4.874	ug/L	97
5) Vinyl chloride	1.601	62	50358	4.973	ug/L	100
6) Bromomethane	1.859	94	27258	4.328	ug/L	99
8) Chloroethane	1.933	64	29163	4.891	ug/L	100
9) Trichlorofluoromethane	2.138	101	68813	4.933	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	36375	4.736	ug/L	99
12) 1,1-Dichloroethene	2.579	96	34973	4.920	ug/L	94
13) Acetone	2.669	43	57198m	45.200	ug/L	
14) Carbon disulfide	2.791	76	107830	5.024	ug/L	98
15) Methyl Acetate	2.958	43	16314m	5.280	ug/L	
16) Methylene chloride	3.042	84	38817	4.720	ug/L	98
17) Methyl tert-butyl Ether	3.360	73	96112	4.980	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	36338	4.831	ug/L	97
19) 1,1-Dichloroethane	3.865	63	71943	5.079	ug/L	99
21) 2-Butanone	4.723	43	90335	48.323	ug/L	95
22) cis-1,2-Dichloroethene	4.662	96	41867	4.932	ug/L	98
23) Bromochloromethane	4.971	128	18013	5.358	ug/L	97
25) Chloroform	5.084	83	73007	4.930	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	46539	5.112	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	63838	5.052	ug/L	97
30) Cyclohexane	5.386	56	63017	4.987	ug/L	98
31) Carbon tetrachloride	5.521	117	55363	5.249	ug/L	100
33) Benzene	5.772	78	158053	5.185	ug/L	100
34) Trichloroethene	6.540	95	42718	4.981	ug/L	97
35) Methylcyclohexane	6.759	83	66629	4.798	ug/L	98
37) 1,2-Dichloropropane	6.788	63	42871	5.165	ug/L	100
38) Bromodichloromethane	7.103	83	54819	5.093	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	62261	4.703	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	222081	51.255	ug/L	99
42) Toluene	7.964	91	172040	5.196	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	51331	4.700	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	30357	5.076	ug/L	98
47) Tetrachloroethene	8.550	164	26952	4.834	ug/L	97
48) 2-Hexanone	8.681	43	158390	49.807	ug/L	100
49) Dibromochloromethane	8.807	129	34112	5.232	ug/L	99
50) 1,2-Dibromoethane	8.919	107	28205	5.112	ug/L	98
51) Chlorobenzene	9.444	112	104553	5.062	ug/L	98
52) Ethylbenzene	9.566	91	189640	5.047	ug/L	99
53) m,p-Xylene	9.691	106	71474	5.087	ug/L	96
54) o-Xylene	10.096	106	69690	5.117	ug/L	97
55) Styrene	10.109	104	114876	5.199	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	38032	5.026	ug/L	99
59) Bromoform	10.286	173	19322	5.364	ug/L	99
60) Isopropylbenzene	10.479	105	189322	5.280	ug/L	99
61) 1,2,3-Trichloropropane	10.816	75	26433	5.555	ug/L	96
62) 1,3,5-Trimethylbenzene	11.083	105	158011	5.219	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	160048	5.281	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	76125	5.243	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	73948	5.083	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	70419	5.202	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.993	75	6549	5.856	ug/L	98
69) 1,3,5-Trichlorobenzene	13.215	180	50490	4.882	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	42313	4.928	ug/L	99
71) Naphthalene	14.083	128	87536	5.084	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	37595	4.961	ug/L	98

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

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