

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112321\
 Data File : VU045971.D
 Acq On : 23 Nov 2021 21:18
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005133

Quant Time: Nov 24 00:35:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 24 00:27:16 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/24/2021
 Supervised By : Mahesh Dadoda 11/28/2021

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	99135	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	98703	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	50908	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	37943	4.831	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	96.600%	
7) Chloroethane-d5	1.919	69	30044	5.255	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	105.000%	
11) 1,1-Dichloroethene-d2	2.571	65	15643	4.749	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	95.000%	
20) 2-Butanone-d5	4.658	46	128457	61.029	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	122.060%	
24) Chloroform-d	5.067	84	66587	5.089	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.800%	
26) 1,2-Dichloroethane-d4	5.706	65	40391	5.261	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	105.200%	
32) Benzene-d6	5.732	84	137535	5.060	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.200%	
36) 1,2-Dichloropropane-d6	6.693	67	42969	5.016	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	100.400%	
41) Toluene-d8	7.899	98	125493	5.104	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	102.000%	
43) trans-1,3-Dichloroprop...	8.182	79	18135	5.215	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	104.200%	
46) 2-Hexanone-d5	8.639	63	107985	68.989	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	137.980%#	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	44221	6.110	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	122.200%#	
66) 1,2-Dichlorobenzene-d4	12.195	152	47018	5.379	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	107.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	38072	4.717	ug/L	99
3) Chloromethane	1.520	50	34301	4.010	ug/L	98
5) Vinyl chloride	1.607	62	37929	4.418	ug/L	99
6) Bromomethane	1.861	94	17324	3.402	ug/L	98
8) Chloroethane	1.938	64	23655	4.832	ug/L	98
9) Trichlorofluoromethane	2.144	101	54396	4.908	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	31525	4.851	ug/L	98
12) 1,1-Dichloroethene	2.584	96	29582	4.821	ug/L	92
13) Acetone	2.684	43	71193m	57.466	ug/L	
14) Carbon disulfide	2.800	76	81035	4.175	ug/L	100
15) Methyl Acetate	2.967	43	17899	5.888	ug/L	99
16) Methylene chloride	3.051	84	36871	4.070	ug/L	96
17) Methyl tert-butyl Ether	3.369	73	92392	5.783	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	31030	4.717	ug/L	96
19) 1,1-Dichloroethane	3.874	63	59511	4.829	ug/L	100
21) 2-Butanone	4.735	43	121257	58.171	ug/L	100
22) cis-1,2-Dichloroethene	4.671	96	37406	5.245	ug/L	95
23) Bromochloromethane	4.980	128	17075	5.493	ug/L	93
25) Chloroform	5.092	83	64602	4.832	ug/L	100

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27) 1,2-Dichloroethane	5.800	62	43985	5.156	ug/L	99
29) 1,1,1-Trichloroethane	5.321	97	54784	5.109	ug/L	98
30) Cyclohexane	5.394	56	50819	4.778	ug/L	100
31) Carbon tetrachloride	5.530	117	45628	5.060	ug/L	99
33) Benzene	5.777	78	136968	4.973	ug/L	100
34) Trichloroethene	6.546	95	34658	4.882	ug/L	97
35) Methylcyclohexane	6.767	83	53365	4.895	ug/L	98
37) 1,2-Dichloropropane	6.793	63	35821	4.942	ug/L	99
38) Bromodichloromethane	7.108	83	46362	5.184	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	53456	5.190	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	300397	63.184	ug/L	98
42) Toluene	7.970	91	146822	5.164	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	48165	5.375	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	30643	5.695	ug/L	99
47) Tetrachloroethene	8.555	164	25797	5.191	ug/L	97
48) 2-Hexanone	8.690	43	229077	66.696	ug/L	97
49) Dibromochloromethane	8.812	129	34538	5.635	ug/L	98
50) 1,2-Dibromoethane	8.925	107	29690	5.856	ug/L	97
51) Chlorobenzene	9.449	112	92555	5.190	ug/L	98
52) Ethylbenzene	9.571	91	158777	5.335	ug/L	99
53) m,p-Xylene	9.697	106	61478	5.393	ug/L	96
54) o-Xylene	10.102	106	60598	5.509	ug/L	96
55) Styrene	10.115	104	102785	5.550	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	41638	6.041	ug/L	94
59) Bromoform	10.291	173	19712	5.846	ug/L	97
60) Isopropylbenzene	10.488	105	160423	5.368	ug/L	100
61) 1,2,3-Trichloropropane	10.825	75	31654	5.990	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	133331	5.456	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	133718	5.461	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	74598	5.350	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	74792	5.280	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	74478	5.571	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.999	75	6290	5.721	ug/L	91
69) 1,3,5-Trichlorobenzene	13.217	180	55613	5.332	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	48424	5.487	ug/L	99
71) Naphthalene	14.085	128	111180	6.132	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	48987	5.578	ug/L	98

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

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