

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111521\
 Data File : VU045796.D
 Acq On : 15 Nov 2021 17:00
 Operator : SY/MD
 Sample : MDL05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/16/2021
 Supervised By : Mahesh Dadoda 11/16/2021

Quant Time: Nov 16 03:35:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 16 03:04:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	103763	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	104318	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	46868	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	36097	4.391	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	87.800%		
7) Chloroethane-d5	1.919	69	27851	4.654	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	93.000%		
11) 1,1-Dichloroethene-d2	2.571	65	15202	4.409	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	88.200%		
20) 2-Butanone-d5	4.652	46	113617	51.571	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	103.140%		
24) Chloroform-d	5.070	84	63953	4.669	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	93.400%		
26) 1,2-Dichloroethane-d4	5.706	65	38370	4.775	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	95.400%		
32) Benzene-d6	5.732	84	133381	4.643	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	92.800%		
36) 1,2-Dichloropropane-d6	6.694	67	42748	4.721	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	94.400%		
41) Toluene-d8	7.899	98	113722	4.376	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	87.600%		
43) trans-1,3-Dichloroprop...	8.182	79	17409	4.737	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	94.800%		
46) 2-Hexanone-d5	8.636	63	84517	51.089	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	102.180%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	39013	5.100	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	102.000%		
66) 1,2-Dichlorobenzene-d4	12.195	152	42556	5.288	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	105.800%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	1450	0.172	ug/L	97
3) Chloromethane	1.523	50	3591	0.401	ug/L	96
5) Vinyl chloride	1.607	62	1833	0.204	ug/L #	35
6) Bromomethane	1.861	94	1124	0.211	ug/L	94
8) Chloroethane	1.938	64	1096	0.214	ug/L	95
9) Trichlorofluoromethane	2.144	101	2209	0.190	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	1589	0.234	ug/L #	75
12) 1,1-Dichloroethene	2.584	96	1566	0.244	ug/L #	1
13) Acetone	2.684	43	5057	3.900	ug/L	41
14) Carbon disulfide	2.800	76	3918	0.193	ug/L	97
15) Methyl Acetate	2.980	43	1178m	0.370	ug/L	
16) Methylene chloride	3.051	84	3427	0.361	ug/L	92
17) Methyl tert-butyl Ether	3.372	73	3339	0.200	ug/L #	90
18) trans-1,2-Dichloroethene	3.359	96	1301	0.189	ug/L	89
19) 1,1-Dichloroethane	3.877	63	2484	0.193	ug/L #	84
21) 2-Butanone	4.732	43	5767m	2.643	ug/L	
22) cis-1,2-Dichloroethene	4.671	96	1486	0.199	ug/L	86
23) Bromochloromethane	4.980	128	680	0.209	ug/L	96
25) Chloroform	5.092	83	6990	0.500	ug/L	100

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27) 1,2-Dichloroethane	5.800	62	1909	0.214	ug/L	96
29) 1,1,1-Trichloroethane	5.321	97	2236	0.197	ug/L	98
30) Cyclohexane	5.395	56	1755	0.156	ug/L	98
31) Carbon tetrachloride	5.526	117	1779	0.187	ug/L	100
33) Benzene	5.777	78	6104	0.210	ug/L	100
34) Trichloroethene	6.546	95	1474	0.196	ug/L	95
35) Methylcyclohexane	6.767	83	1816	0.158	ug/L	95
37) 1,2-Dichloropropane	6.793	63	1522	0.199	ug/L #	88
38) Bromodichloromethane	7.108	83	1910	0.202	ug/L #	92
39) cis-1,3-Dichloropropene	7.610	75	2332	0.214	ug/L	88
40) 4-Methyl-2-pentanone	7.793	43	10547	2.099	ug/L #	88
42) Toluene	7.973	91	7849	0.261	ug/L	94
44) trans-1,3-Dichloropropene	8.211	75	1909	0.202	ug/L	95
45) 1,1,2-Trichloroethane	8.407	97	1156	0.203	ug/L #	85
47) Tetrachloroethene	8.555	164	830	0.158	ug/L	88
48) 2-Hexanone	8.690	43	16549	4.559	ug/L	96
49) Dibromochloromethane	8.812	129	1282	0.198	ug/L	97
50) 1,2-Dibromoethane	8.925	107	1126	0.210	ug/L #	94
51) Chlorobenzene	9.449	112	3834	0.203	ug/L	93
52) Ethylbenzene	9.574	91	5945	0.189	ug/L	97
53) m,p-Xylene	9.693	106	2142	0.178	ug/L	94
54) o-Xylene	10.102	106	2169	0.187	ug/L	95
55) Styrene	10.115	104	3144	0.161	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.787	83	1587	0.218	ug/L #	86
59) Bromoform	10.291	173	670	0.216	ug/L #	80
60) Isopropylbenzene	10.488	105	4856	0.176	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	1253	0.258	ug/L #	89
62) 1,3,5-Trimethylbenzene	11.089	105	3789	0.168	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	3830	0.170	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	2380	0.185	ug/L	95
65) 1,4-Dichlorobenzene	11.838	146	3542	0.272	ug/L	95
67) 1,2-Dichlorobenzene	12.217	146	2808	0.228	ug/L	93
69) 1,3,5-Trichlorobenzene	13.221	180	1517	0.158	ug/L	95
70) 1,2,4-trichlorobenzene	13.844	180	1442	0.177	ug/L	94
71) Naphthalene	14.089	128	3234	0.194	ug/L #	91
72) 1,2,3-Trichlorobenzene	14.327	180	1387	0.172	ug/L	98

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

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