

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW113021\
 Data File : VW023749.D
 Acq On : 30 Nov 2021 17:07
 Operator : SY/MD
 Sample : MDL02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/01/2021
 Supervised By : Mahesh Dadoda 12/01/2021

Quant Time: Dec 01 01:33:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 01 01:21:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	138946	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	136512	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	67656	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	50283	4.408	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.200%
7) Chloroethane-d5	1.571	69	39990	4.460	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.200%
11) 1,1-Dichloroethene-d2	2.111	63	70853	3.525	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.400%
20) 2-Butanone-d5	3.896	46	90026	65.654	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.300%#
24) Chloroform-d	4.349	84	93344	4.700	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
26) 1,2-Dichloroethane-d4	5.034	65	45423	4.895	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.050	84	183294	4.929	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	6.069	67	52442	5.030	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.600%
41) Toluene-d8	7.317	98	167623	4.824	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	7.625	79	20443	4.865	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.200%
46) 2-Hexanone-d5	8.088	63	79192	56.720	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.440%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	36933	4.923	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	65463	5.473	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	2278	0.173	ug/L	98
3) Chloromethane	1.243	50	3203	0.279	ug/L	93
5) Vinyl chloride	1.314	62	2637	0.219	ug/L #	71
6) Bromomethane	1.526	94	2122	0.311	ug/L	97
8) Chloroethane	1.590	64	1648	0.216	ug/L	96
9) Trichlorofluoromethane	1.757	101	3866	0.197	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	2604	0.265	ug/L #	73
12) 1,1-Dichloroethene	2.117	96	2363	0.254	ug/L #	1
13) Acetone	2.188	43	5982m	4.848	ug/L	
14) Carbon disulfide	2.297	76	5580	0.178	ug/L #	94
17) Methyl tert-butyl Ether	2.770	73	3826	0.201	ug/L #	88
18) trans-1,2-Dichloroethene	2.770	96	1897	0.179	ug/L	85
19) 1,1-Dichloroethane	3.198	63	3687	0.207	ug/L	97
21) 2-Butanone	4.014	43	4216m	2.700	ug/L	
22) cis-1,2-Dichloroethene	3.915	96	2078	0.204	ug/L	80
23) Bromochloromethane	4.256	128	978m	0.205	ug/L	
27) 1,2-Dichloroethane	5.143	62	2340	0.222	ug/L #	94
29) 1,1,1-Trichloroethane	4.616	97	3312	0.186	ug/L	94
30) Cyclohexane	4.677	56	2606	0.175	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	4.831	117	3090	0.189	ug/L	93
33) Benzene	5.108	78	8337	0.214	ug/L	100
34) Trichloroethene	5.918	95	1973	0.189	ug/L	86
35) Methylcyclohexane	6.130	83	2976	0.183	ug/L	94
37) 1,2-Dichloropropane	6.182	63	1821	0.197	ug/L #	84
38) Bromodichloromethane	6.522	83	2619	0.209	ug/L #	90
39) cis-1,3-Dichloropropene	7.047	75	2791	0.212	ug/L	87
40) 4-Methyl-2-pentanone	7.233	43	7563	1.713	ug/L #	88
42) Toluene	7.397	91	10804	0.256	ug/L	94
44) trans-1,3-Dichloropropene	7.657	75	2396	0.217	ug/L	87
45) 1,1,2-Trichloroethane	7.847	97	1434	0.224	ug/L	89
47) Tetrachloroethene	7.976	164	1744	0.184	ug/L	97
48) 2-Hexanone	8.149	43	8344m	2.556	ug/L	
49) Dibromochloromethane	8.246	129	1643	0.187	ug/L	74
50) 1,2-Dibromoethane	8.358	107	1252	0.200	ug/L #	95
51) Chlorobenzene	8.886	112	5724	0.205	ug/L	94
52) Ethylbenzene	9.018	91	8277	0.188	ug/L	100
53) m,p-xylene	9.143	106	3125	0.178	ug/L	94
54) o-xylene	9.545	106	2756	0.165	ug/L	80
55) Styrene	9.571	104	4248	0.151	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.246	83	1774	0.249	ug/L #	94
59) Bromoform	9.731	173	835	0.187	ug/L #	90
60) Isopropylbenzene	9.934	105	7605	0.188	ug/L	97
61) 1,2,3-Trichloropropane	10.275	75	1045	0.218	ug/L #	79
62) 1,3,5-Trimethylbenzene	10.538	105	6028	0.179	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	6224	0.187	ug/L	97
64) 1,3-Dichlorobenzene	11.185	146	4120	0.199	ug/L	89
65) 1,4-Dichlorobenzene	11.275	146	4289	0.207	ug/L	94
67) 1,2-Dichlorobenzene	11.644	146	3866	0.205	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.429	75	230	0.241	ug/L #	87
69) 1,3,5-Trichlorobenzene	12.648	180	3366	0.209	ug/L #	96
70) 1,2,4-trichlorobenzene	13.262	180	2410	0.193	ug/L	97
71) Naphthalene	13.506	128	4162	0.247	ug/L #	94
72) 1,2,3-Trichlorobenzene	13.750	180	2528	0.233	ug/L	89

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

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