

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111621\
 Data File : VW023530.D
 Acq On : 16 Nov 2021 13:36
 Operator : SY/MD
 Sample : M4643-04MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GB8J9MSD

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/17/2021
 Supervised By : Mahesh Dadoda 11/18/2021

Quant Time: Nov 17 00:51:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 00:48:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	128790	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	126220	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	68679	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	34818	4.315	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.400%
7) Chloroethane-d5	1.568	69	30147	4.585	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.600%
11) 1,1-Dichloroethene-d2	2.111	63	66679	4.415	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.200%
20) 2-Butanone-d5	3.908	46	61533	44.268	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.540%
24) Chloroform-d	4.349	84	75506	4.391	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.034	65	35697	4.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	5.050	84	148190	4.576	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	6.072	67	43254	4.537	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.317	98	144583	4.764	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
43) trans-1,3-Dichloroprop...	7.625	79	17390	4.811	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.092	63	62401	46.917	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.840%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31782	4.636	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	54458	4.762	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	51907	4.133	ug/L	99
3) Chloromethane	1.240	50	46857	4.388	ug/L	97
5) Vinyl chloride	1.311	62	48303	4.530	ug/L	98
6) Bromomethane	1.523	94	28272	4.148	ug/L	97
8) Chloroethane	1.584	64	28384	4.612	ug/L	96
9) Trichlorofluoromethane	1.754	101	74863	4.672	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	38391	4.759	ug/L	96
12) 1,1-Dichloroethene	2.118	96	35066	4.566	ug/L	95
13) Acetone	2.198	43	47746m	56.216	ug/L	
14) Carbon disulfide	2.294	76	118627	4.093	ug/L	99
15) Methyl Acetate	2.446	43	10212	4.248	ug/L	93
16) Methylene chloride	2.507	84	41731	3.723	ug/L	96
17) Methyl tert-butyl Ether	2.770	73	80728	4.775	ug/L	94
18) trans-1,2-Dichloroethene	2.761	96	42905	4.544	ug/L	97
19) 1,1-Dichloroethane	3.191	63	72881	4.572	ug/L	96
21) 2-Butanone	3.999	43	68177m	49.649	ug/L	
22) cis-1,2-Dichloroethene	3.912	96	41919	4.614	ug/L	# 93
23) Bromochloromethane	4.249	128	19720	4.707	ug/L	# 84
25) Chloroform	4.375	83	82189	4.837	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.134	62	41784	4.623	ug/L	96
29) 1,1,1-Trichloroethane	4.609	97	71833	4.686	ug/L	99
30) Cyclohexane	4.680	56	61006	4.441	ug/L	97
31) Carbon tetrachloride	4.828	117	65189	4.735	ug/L	97
33) Benzene	5.101	78	167599	4.751	ug/L	100
34) Trichloroethene	5.915	95	43851	4.674	ug/L	99
35) Methylcyclohexane	6.130	83	66840	4.514	ug/L	95
37) 1,2-Dichloropropane	6.175	63	38801	4.711	ug/L	98
38) Bromodichloromethane	6.510	83	51360	4.653	ug/L	99
39) cis-1,3-Dichloropropene	7.031	75	56413	4.762	ug/L	96
40) 4-Methyl-2-pentanone	7.230	43	204618	53.568	ug/L	97
42) Toluene	7.387	91	187330	4.965	ug/L	98
44) trans-1,3-Dichloropropene	7.651	75	47673	4.850	ug/L	97
45) 1,1,2-Trichloroethane	7.841	97	28087	4.746	ug/L	98
47) Tetrachloroethene	7.976	164	75994	9.347	ug/L	98
48) 2-Hexanone	8.143	43	148221	55.377	ug/L	97
49) Dibromochloromethane	8.246	129	36687	4.893	ug/L	99
50) 1,2-Dibromoethane	8.355	107	26503	4.833	ug/L	97
51) Chlorobenzene	8.883	112	117059	4.667	ug/L	97
52) Ethylbenzene	9.011	91	188176	4.728	ug/L	98
53) m,p-xylene	9.140	106	74624	4.778	ug/L	96
54) o-xylene	9.545	106	71549	4.883	ug/L	98
55) Styrene	9.561	104	123071	4.903	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.243	83	30030	4.632	ug/L	97
59) Bromoform	9.731	173	20259	4.939	ug/L	99
60) Isopropylbenzene	9.931	105	192837	4.893	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	22397	4.909	ug/L	97
62) 1,3,5-Trimethylbenzene	10.538	105	160272	4.905	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	161645	4.970	ug/L	98
64) 1,3-Dichlorobenzene	11.182	146	97596	4.847	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	96693	4.702	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	89086	4.944	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	4370	4.496	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.644	180	74156	4.703	ug/L	100
70) 1,2,4-trichlorobenzene	13.262	180	54923	4.350	ug/L	99
71) Naphthalene	13.503	128	78651	4.225	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	50514	4.573	ug/L	98

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

