

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102623\
 Data File : VW032650.D
 Acq On : 26 Oct 2023 09:41
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2023
 Supervised By : Mahesh Dadoda 10/27/2023

Quant Time: Oct 27 05:24:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 26 04:59:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	84215	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	97071	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	51926	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	33633	4.911	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.200%
7) Chloroethane-d5	1.532	69	30898	5.558	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.200%
11) 1,1-Dichloroethene-d2	2.056	65	14114	4.886	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.800%
20) 2-Butanone-d5	3.828	46	87403	50.446	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.900%
24) Chloroform-d	4.252	84	61080	5.055	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
26) 1,2-Dichloroethane-d4	4.947	65	30771	5.377	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.600%
32) Benzene-d6	4.963	84	115215	4.034	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.600%
36) 1,2-Dichloropropane-d6	5.992	67	35258	3.726	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.600%
41) Toluene-d8	7.246	98	121249	4.642	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	7.558	79	15492	4.620	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.400%
46) 2-Hexanone-d5	8.030	63	72197	45.757	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.520%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	32790	4.954	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	11.564	152	42591	4.420	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	54136	5.769	ug/L	99
3) Chloromethane	1.214	50	55066	5.821	ug/L	99
5) Vinyl chloride	1.282	62	55139	6.111	ug/L	99
6) Bromomethane	1.487	94	33786	6.198	ug/L	99
8) Chloroethane	1.548	64	33628	6.191	ug/L	98
9) Trichlorofluoromethane	1.712	101	68246	6.307	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	38002	5.796	ug/L	97
12) 1,1-Dichloroethene	2.066	96	35627	5.768	ug/L	95
13) Acetone	2.159	43	65504m	49.052	ug/L	
14) Carbon disulfide	2.236	76	118546	5.491	ug/L	100
15) Methyl Acetate	2.391	43	12010	3.995	ug/L	93
16) Methylene chloride	2.445	84	40290	5.003	ug/L	99
17) Methyl tert-butyl Ether	2.709	73	77293	4.597	ug/L	98
18) trans-1,2-Dichloroethene	2.693	96	35619	5.035	ug/L	99
19) 1,1-Dichloroethane	3.111	63	63405	4.764	ug/L	99
21) 2-Butanone	3.905	43	95609m	45.783	ug/L	
22) cis-1,2-Dichloroethene	3.815	96	36073	4.736	ug/L	96
23) Bromochloromethane	4.153	128	17301	5.399	ug/L	96
25) Chloroform	4.278	83	68699	5.261	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	42872	5.558	ug/L	100
29) 1,1,1-Trichloroethane	4.513	97	59244	4.489	ug/L	99
30) Cyclohexane	4.584	56	51087	3.522	ug/L	95
31) Carbon tetrachloride	4.735	117	50796	4.549	ug/L	98
33) Benzene	5.011	78	148262	4.338	ug/L	100
34) Trichloroethene	5.834	95	37915	4.064	ug/L	99
35) Methylcyclohexane	6.050	83	59245	4.103	ug/L	98
37) 1,2-Dichloropropane	6.095	63	38086	4.167	ug/L #	97
38) Bromodichloromethane	6.436	83	47025	4.330	ug/L	100
39) cis-1,3-Dichloropropene	6.957	75	56542	4.347	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	238575	41.247	ug/L	99
42) Toluene	7.317	91	177456	4.871	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	49355	4.617	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	30762	4.771	ug/L	98
47) Tetrachloroethene	7.905	164	35378	5.000	ug/L	96
48) 2-Hexanone	8.082	43	173146	42.428	ug/L	97
49) Dibromochloromethane	8.178	129	34124	5.084	ug/L	97
50) 1,2-Dibromoethane	8.284	107	29131	4.777	ug/L	93
51) Chlorobenzene	8.815	112	112357	4.790	ug/L	100
52) Ethylbenzene	8.950	91	184671	4.552	ug/L	99
53) m,p-Xylene	9.075	106	71204	4.732	ug/L	96
54) o-Xylene	9.481	106	67040	4.624	ug/L	96
55) Styrene	9.500	104	120325	4.914	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.182	83	35550	5.011	ug/L	98
59) Bromoform	9.667	173	18719	4.957	ug/L	100
60) Isopropylbenzene	9.870	105	180524	4.473	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	25904	4.687	ug/L	99
62) 1,3,5-Trimethylbenzene	10.481	105	141571	4.304	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	144083	4.400	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	91134	4.727	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	91674	4.740	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	84319	4.796	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	5457	4.833	ug/L	94
69) 1,3,5-Trichlorobenzene	12.587	180	65350	4.629	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	53141	4.243	ug/L	99
71) Naphthalene	13.442	128	82760	3.890	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	48536	4.498	ug/L	99

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

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