

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV101023\
 Data File : VV032365.D
 Acq On : 10 Oct 2023 10:38
 Operator : SY/MD
 Sample : 04696-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2023-08

Quant Time: Oct 11 02:06:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 11 01:56:10 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/11/2023
 Supervised By : Mahesh Dadoda 10/12/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	105408	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	116737	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	53644	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	42223	4.925	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.600%
7) Chloroethane-d5	1.532	69	33388	4.798	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.060	65	16317	4.513	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.200%
20) 2-Butanone-d5	3.818	46	89474	41.259	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.520%
24) Chloroform-d	4.256	84	66569	4.402	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	4.947	65	32223	4.498	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
32) Benzene-d6	4.963	84	129952	3.783	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.600%
36) 1,2-Dichloropropane-d6	5.992	67	40762	3.582	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	71.600%
41) Toluene-d8	7.246	98	123730	3.939	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
43) trans-1,3-Dichloroprop...	7.561	79	14555	3.609	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.200%
46) 2-Hexanone-d5	8.030	63	76174	40.145	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.280%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	32016	4.022	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.400%
66) 1,2-Dichlorobenzene-d4	11.564	152	45173	4.538	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	3435	0.292	ug/L	99
3) Chloromethane	1.217	50	3620	0.306	ug/L	93
5) Vinyl chloride	1.281	62	3247	0.287	ug/L #	55
6) Bromomethane	1.487	94	2039	0.299	ug/L	84
8) Chloroethane	1.548	64	2060	0.303	ug/L	90
9) Trichlorofluoromethane	1.716	101	3697	0.273	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	2839	0.346	ug/L	91
12) 1,1-Dichloroethene	2.069	96	2695	0.349	ug/L #	1
13) Acetone	2.143	43	5402m	3.232	ug/L	
14) Carbon disulfide	2.243	76	6270	0.232	ug/L	99
15) Methyl Acetate	2.400	43	1101	0.293	ug/L #	53
16) Methylene chloride	2.452	84	6284	0.623	ug/L	95
17) Methyl tert-butyl Ether	2.709	73	4851	0.230	ug/L #	88
18) trans-1,2-Dichloroethene	2.696	96	2195	0.248	ug/L	94
19) 1,1-Dichloroethane	3.121	63	4568	0.274	ug/L	93
21) 2-Butanone	3.934	43	7983m	3.054	ug/L	
22) cis-1,2-Dichloroethene	3.828	96	2511	0.263	ug/L	85
23) Bromochloromethane	4.159	128	1165	0.290	ug/L	72
27) 1,2-Dichloroethane	5.059	62	2805	0.291	ug/L #	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	4.513	97	3483	0.219	ug/L #	67
30) Cyclohexane	4.580	56	3396	0.195	ug/L	95
31) Carbon tetrachloride	4.738	117	2991	0.223	ug/L	98
33) Benzene	5.018	78	9288	0.226	ug/L	100
34) Trichloroethene	5.841	95	2839	0.253	ug/L	93
35) Methylcyclohexane	6.050	83	5114m	0.295	ug/L	
37) 1,2-Dichloropropane	6.104	63	2563	0.233	ug/L #	87
38) Bromodichloromethane	6.442	83	3090	0.237	ug/L #	92
39) cis-1,3-Dichloropropene	6.976	75	3735m	0.239	ug/L	
40) 4-Methyl-2-pentanone	7.175	43	13642	1.961	ug/L #	82
42) Toluene	7.326	91	9251	0.211	ug/L	93
44) trans-1,3-Dichloropropene	7.596	75	2578	0.201	ug/L	95
45) 1,1,2-Trichloroethane	7.780	97	1880	0.242	ug/L	99
47) Tetrachloroethene	7.915	164	2082	0.245	ug/L	85
48) 2-Hexanone	8.091	43	14437m	2.942	ug/L	
49) Dibromochloromethane	8.181	129	1758	0.218	ug/L	92
50) 1,2-Dibromoethane	8.291	107	1608	0.219	ug/L #	94
51) Chlorobenzene	8.821	112	6333	0.225	ug/L	99
52) Ethylbenzene	8.956	91	9868	0.202	ug/L	99
53) m,p-Xylene	9.082	106	3430	0.190	ug/L	93
54) o-Xylene	9.487	106	3433	0.197	ug/L	92
55) Styrene	9.509	104	5336	0.181	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.185	83	2285	0.268	ug/L #	92
59) Bromoform	9.677	173	932	0.239	ug/L #	93
60) Isopropylbenzene	9.873	105	9465	0.227	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	1491	0.261	ug/L #	91
62) 1,3,5-Trimethylbenzene	10.480	105	6693	0.197	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	6770	0.200	ug/L	98
64) 1,3-Dichlorobenzene	11.127	146	4891	0.246	ug/L	97
65) 1,4-Dichlorobenzene	11.214	146	5256	0.263	ug/L	95
67) 1,2-Dichlorobenzene	11.583	146	4723	0.260	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.374	75	271	0.232	ug/L #	62
69) 1,3,5-Trichlorobenzene	12.590	180	3423	0.235	ug/L	96
70) 1,2,4-trichlorobenzene	13.204	180	2786	0.215	ug/L	95
71) Naphthalene	13.448	128	4517	0.206	ug/L #	96
72) 1,2,3-Trichlorobenzene	13.686	180	2558	0.229	ug/L	96

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

