

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012524\
 Data File : VW033867.D
 Acq On : 25 Jan 2024 14:06
 Operator : SY/MD
 Sample : 04696-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2023-07

Quant Time: Jan 25 21:28:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 25 21:12:54 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/26/2024
 Supervised By :Semsettin Yesilyurt 01/26/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	100474	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	90296	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	44196	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	20194	2.595	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	52.000%
7) Chloroethane-d5	1.532	69	18329	2.689	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	53.800%#
11) 1,1-Dichloroethene-d2	2.060	65	10379	2.766	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.400%#
20) 2-Butanone-d5	3.796	46	34965m	26.755	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	53.500%
24) Chloroform-d	4.249	84	42016	2.971	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	59.400%#
26) 1,2-Dichloroethane-d4	4.947	65	19273	2.917	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	58.400%#
32) Benzene-d6	4.960	84	80748	2.981	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	59.600%#
36) 1,2-Dichloropropane-d6	5.992	67	23154	3.058	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	61.200%
41) Toluene-d8	7.246	98	75859	3.047	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	61.000%#
43) trans-1,3-Dichloroprop...	7.561	79	8075	2.824	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	56.400%
46) 2-Hexanone-d5	8.027	63	25426	24.909	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	49.820%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	13238	2.883	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	57.600%#
66) 1,2-Dichlorobenzene-d4	11.561	152	26072	3.244	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	64.800%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	1605	0.174	ug/L	93
3) Chloromethane	1.217	50	2269	0.226	ug/L	93
5) Vinyl chloride	1.285	62	2006	0.209	ug/L #	74
6) Bromomethane	1.487	94	891	0.176	ug/L	89
8) Chloroethane	1.545	64	1467	0.224	ug/L #	60
9) Trichlorofluoromethane	1.716	101	3239	0.234	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	2049	0.283	ug/L #	83
12) 1,1-Dichloroethene	2.069	96	1878	0.268	ug/L #	1
13) Acetone	2.118	43	2607	2.629	ug/L #	69
14) Carbon disulfide	2.243	76	5974	0.263	ug/L	97
15) Methyl Acetate	2.394	43	423	0.180	ug/L #	53
16) Methylene chloride	2.449	84	1418	0.211	ug/L	92
17) Methyl tert-butyl Ether	2.706	73	3270	0.227	ug/L	95
18) trans-1,2-Dichloroethene	2.700	96	1514	0.212	ug/L	97
19) 1,1-Dichloroethane	3.114	63	2891	0.220	ug/L	97
22) cis-1,2-Dichloroethene	3.818	96	2141	0.264	ug/L	89
23) Bromochloromethane	4.159	128	406	0.144	ug/L #	94
27) 1,2-Dichloroethane	5.063	62	1769	0.233	ug/L #	76
29) 1,1,1-Trichloroethane	4.510	97	2915	0.240	ug/L #	74

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Reviewed By :Mahesh Dadoda 01/26/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	4.577	56	2623	0.222	ug/L	86
31) Carbon tetrachloride	4.741	117	2378	0.224	ug/L	98
33) Benzene	5.018	78	6306	0.233	ug/L	100
34) Trichloroethene	5.847	95	1797	0.229	ug/L	85
35) Methylcyclohexane	6.040	83	2870m	0.233	ug/L	
37) 1,2-Dichloropropane	6.101	63	1380	0.210	ug/L #	87
38) Bromodichloromethane	6.445	83	1774	0.206	ug/L #	93
39) cis-1,3-Dichloropropene	6.969	75	2118	0.212	ug/L	90
40) 4-Methyl-2-pentanone	7.172	43	5158	1.642	ug/L #	88
42) Toluene	7.323	91	6694	0.231	ug/L	99
44) trans-1,3-Dichloropropene	7.596	75	1796	0.234	ug/L	96
45) 1,1,2-Trichloroethane	7.786	97	843	0.208	ug/L	84
47) Tetrachloroethene	7.912	164	1553	0.244	ug/L	92
48) 2-Hexanone	8.088	43	8135m	3.674	ug/L	
49) Dibromochloromethane	8.182	129	1121	0.233	ug/L	90
50) 1,2-Dibromoethane	8.294	107	762	0.210	ug/L #	93
51) Chlorobenzene	8.818	112	3958	0.216	ug/L	95
52) Ethylbenzene	8.953	91	7810	0.234	ug/L	99
53) m,p-Xylene	9.082	106	2894	0.230	ug/L	95
54) o-Xylene	9.481	106	2722	0.224	ug/L	88
55) Styrene	9.510	104	4214	0.217	ug/L	88
57) 1,1,2,2-Tetrachloroethane	10.182	83	1010	0.236	ug/L #	89
59) Bromoform	9.667	173	488	0.200	ug/L #	77
60) Isopropylbenzene	9.873	105	7176	0.219	ug/L	98
61) 1,2,3-Trichloropropane	10.220	75	568	0.187	ug/L #	89
62) 1,3,5-Trimethylbenzene	10.481	105	6349	0.230	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	6218	0.231	ug/L	94
64) 1,3-Dichlorobenzene	11.124	146	3509	0.246	ug/L	95
65) 1,4-Dichlorobenzene	11.210	146	3368	0.239	ug/L	94
67) 1,2-Dichlorobenzene	11.583	146	2791	0.228	ug/L #	89
69) 1,3,5-Trichlorobenzene	12.587	180	2497	0.226	ug/L	96
70) 1,2,4-trichlorobenzene	13.207	180	2016	0.234	ug/L #	93
71) Naphthalene	13.452	128	2953	0.262	ug/L #	87
72) 1,2,3-Trichlorobenzene	13.686	180	1449	0.210	ug/L	91

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

