

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051524\
 Data File : VU058898.D
 Acq On : 15 May 2024 12:27
 Operator : MD/SY
 Sample : P2409-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2024-04

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

Quant Time: May 16 01:56:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu May 16 01:51:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	153082	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	155531	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	70488	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	42240	4.555	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	91.200%	
7) Chloroethane-d5	1.911	69	39979	4.770	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	95.400%	
11) 1,1-Dichloroethene-d2	2.563	65	17455	4.619	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	92.400%	
20) 2-Butanone-d5	4.637	46	127863	53.036	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	106.080%	
24) Chloroform-d	5.058	84	93277	4.981	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	99.600%	
26) 1,2-Dichloroethane-d4	5.698	65	48727	5.063	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	101.200%	
32) Benzene-d6	5.724	84	170134	4.766	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.400%	
36) 1,2-Dichloropropane-d6	6.685	67	61022	5.130	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	102.600%	
41) Toluene-d8	7.894	98	141144	4.344	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	86.800%	
43) trans-1,3-Dichloroprop...	8.177	79	19017	4.659	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	93.200%	
46) 2-Hexanone-d5	8.630	63	94962	48.473	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	96.940%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	50549	4.920	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	98.400%	
66) 1,2-Dichlorobenzene-d4	12.190	152	54858	5.175	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	103.400%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	2708	0.242	ug/L	94
3) Chloromethane	1.518	50	3620	0.278	ug/L	95
5) Vinyl chloride	1.602	62	3524	0.252	ug/L #	75
6) Bromomethane	1.856	94	2113	0.243	ug/L	97
8) Chloroethane	1.933	64	2541	0.286	ug/L	99
9) Trichlorofluoromethane	2.136	101	4325	0.241	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	2939	0.271	ug/L	93
12) 1,1-Dichloroethene	2.576	96	2710	0.284	ug/L #	1
14) Carbon disulfide	2.792	76	7563	0.250	ug/L	97
15) Methyl Acetate	2.975	43	915m	0.221	ug/L	
16) Methylene chloride	3.046	84	4225	0.327	ug/L	89
17) Methyl tert-butyl Ether	3.357	73	5907	0.238	ug/L #	93
18) trans-1,2-Dichloroethene	3.354	96	2366	0.236	ug/L	90
19) 1,1-Dichloroethane	3.862	63	5626	0.268	ug/L	95
21) 2-Butanone	4.740	43	7781m	2.911	ug/L	
22) cis-1,2-Dichloroethene	4.663	96	2772	0.240	ug/L	86
23) Bromochloromethane	4.975	128	1397	0.274	ug/L	78
25) Chloroform	5.078	83	6316	0.288	ug/L	96
27) 1,2-Dichloroethane	5.795	62	3529	0.263	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	5.377	56	3483m	0.212	ug/L	98
31) Carbon tetrachloride	5.528	117	3703	0.255	ug/L	98
33) Benzene	5.772	78	11681	0.256	ug/L	100
35) Methylcyclohexane	6.756	83	4180	0.242	ug/L	90
37) 1,2-Dichloropropane	6.788	63	3596	0.277	ug/L #	94
38) Bromodichloromethane	7.103	83	4129	0.265	ug/L #	98
39) cis-1,3-Dichloropropene	7.608	75	4354	0.246	ug/L	94
40) 4-Methyl-2-pentanone	7.791	43	14597	2.176	ug/L #	90
42) Toluene	7.968	91	11691	0.245	ug/L	99
44) trans-1,3-Dichloropropene	8.213	75	3415m	0.237	ug/L	95
45) 1,1,2-Trichloroethane	8.399	97	2263	0.248	ug/L	95
49) Dibromochloromethane	8.804	129	2527	0.263	ug/L	97
50) 1,2-Dibromoethane	8.926	107	2154	0.267	ug/L #	92
51) Chlorobenzene	9.444	112	7860	0.259	ug/L	94
52) Ethylbenzene	9.569	91	11303	0.220	ug/L	97
53) m,p-Xylene	9.692	106	3833	0.203	ug/L	95
54) o-Xylene	10.100	106	4100	0.223	ug/L	88
55) Styrene	10.119	104	5918	0.191	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.778	83	3126	0.270	ug/L #	90
59) Bromoform	10.286	173	1168	0.227	ug/L #	95
60) Isopropylbenzene	10.483	105	10697	0.237	ug/L	97
61) 1,2,3-Trichloropropane	10.820	75	2078	0.286	ug/L #	88
62) 1,3,5-Trimethylbenzene	11.087	105	7928	0.220	ug/L	95
63) 1,2,4-Trimethylbenzene	11.466	105	7134	0.200	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	5279	0.240	ug/L	91
65) 1,4-Dichlorobenzene	11.833	146	6047	0.276	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	5260	0.256	ug/L	96
68) 1,2-Dibromo-3-chloropr...	13.003	75	389	0.266	ug/L #	61
69) 1,3,5-Trichlorobenzene	13.219	180	4214	0.256	ug/L	98
70) 1,2,4-trichlorobenzene	13.846	180	3303	0.243	ug/L	98
71) Naphthalene	14.100	128	4148	0.203	ug/L #	84
72) 1,2,3-Trichlorobenzene	14.328	180	2935	0.246	ug/L	96

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

