

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100223\
 Data File : VU055616.D
 Acq On : 02 Oct 2023 19:53
 Operator : MD/SY
 Sample : 04679-06MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-4(20230927)MSD

Quant Time: Oct 03 05:00:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 23:33:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	168865	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	173376	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	100303	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	67281	3.942	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.800%
7) Chloroethane-d5	1.914	69	66130	4.397	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.000%
11) 1,1-Dichloroethene-d2	2.563	65	27002	3.844	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.800%
20) 2-Butanone-d5	4.647	46	136591	44.309	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.620%
24) Chloroform-d	5.058	84	137227	4.445	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
26) 1,2-Dichloroethane-d4	5.702	65	68161	4.590	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
32) Benzene-d6	5.724	84	252062	4.156	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	6.689	67	80546	4.445	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.000%
41) Toluene-d8	7.898	98	227570	4.117	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.400%
43) trans-1,3-Dichloroprop...	8.181	79	29064	4.571	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.634	63	98498	50.927	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.860%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	68133	5.017	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	82061	4.053	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	75290	4.580	ug/L	99
3) Chloromethane	1.518	50	84651	5.853	ug/L	99
5) Vinyl chloride	1.602	62	100058	6.413	ug/L	97
6) Bromomethane	1.856	94	48008	4.844	ug/L	97
8) Chloroethane	1.933	64	72957	7.165	ug/L	94
9) Trichlorofluoromethane	2.136	101	131729	6.088	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	66167	5.025	ug/L	98
12) 1,1-Dichloroethene	2.576	96	61276	5.190	ug/L	90
13) Acetone	2.666	43	70519	40.131	ug/L	76
14) Carbon disulfide	2.792	76	180235	5.078	ug/L	100
15) Methyl Acetate	2.959	43	15472	3.862	ug/L #	74
16) Methylene chloride	3.042	84	69482	4.912	ug/L	98
17) Methyl tert-butyl Ether	3.364	73	131743	5.144	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	63475	5.334	ug/L	96
19) 1,1-Dichloroethane	3.869	63	120547	5.478	ug/L	98
21) 2-Butanone	4.730	43	117093	45.432	ug/L	87
22) cis-1,2-Dichloroethene	4.663	96	109535	7.939	ug/L	99
23) Bromochloromethane	4.972	128	28992	4.972	ug/L	92
25) Chloroform	5.084	83	125648	5.392	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	77995	5.458	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	108215	5.475	ug/L	97
30) Cyclohexane	5.386	56	93497	5.168	ug/L	98
31) Carbon tetrachloride	5.521	117	90904	5.366	ug/L	99
33) Benzene	5.772	78	274589	5.503	ug/L	100
34) Trichloroethene	6.537	95	80845	5.727	ug/L	97
35) Methylcyclohexane	6.759	83	100653	4.950	ug/L	98
37) 1,2-Dichloropropane	6.785	63	69650	5.337	ug/L	99
38) Bromodichloromethane	7.103	83	87572	5.726	ug/L	96
39) cis-1,3-Dichloropropene	7.605	75	94857	5.446	ug/L	98
40) 4-Methyl-2-pentanone	7.791	43	320248	54.097	ug/L	97
42) Toluene	7.968	91	293944	5.522	ug/L	100
44) trans-1,3-Dichloropropene	8.209	75	77259	5.544	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	48427	5.292	ug/L	97
47) Tetrachloroethene	8.550	164	50876	5.025	ug/L	97
48) 2-Hexanone	8.685	43	249424	54.364	ug/L	96
49) Dibromochloromethane	8.807	129	51675	5.387	ug/L	99
50) 1,2-Dibromoethane	8.923	107	44580	5.250	ug/L	97
51) Chlorobenzene	9.444	112	324088	9.506	ug/L	99
52) Ethylbenzene	9.566	91	307320	5.386	ug/L	98
53) m,p-Xylene	9.692	106	114272	5.344	ug/L	95
54) o-Xylene	10.097	106	110326	5.306	ug/L	96
55) Styrene	10.113	104	181092	5.387	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	57786	5.594	ug/L	96
59) Bromoform	10.287	173	27438	5.104	ug/L	98
60) Isopropylbenzene	10.483	105	298110	5.157	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	39124	4.997	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	229100	4.956	ug/L	100
63) 1,2,4-Trimethylbenzene	11.467	105	227206	5.021	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	460583	16.642	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	465952	16.845	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	157552	6.209	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.994	75	7560	5.570	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	104556	5.486	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	382957	26.355	ug/L	99
71) Naphthalene	14.084	128	118159	5.617	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	74573	5.898	ug/L	97

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

