

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111723\
 Data File : VU056441.D
 Acq On : 17 Nov 2023 14:50
 Operator : MD/SY
 Sample : 05389-14MS
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YCG91MS

Quant Time: Nov 17 23:21:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 17 23:14:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	276192	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	273244	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	137453	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	74511	3.607	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.200%
7) Chloroethane-d5	1.908	69	69304	4.375	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.600%
11) 1,1-Dichloroethene-d2	2.563	65	36898	4.047	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.000%
20) 2-Butanone-d5	4.624	46	219420	53.267	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.540%
24) Chloroform-d	5.059	84	183334	4.588	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.695	65	93260	5.051	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
32) Benzene-d6	5.721	84	360507	4.428	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.685	67	112364	4.580	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.891	98	321214	4.468	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	8.177	79	41170	4.375	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.627	63	206918	55.954	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.900%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	91929	5.243	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	121891	4.800	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	100363	4.586	ug/L	98
3) Chloromethane	1.515	50	98293	4.395	ug/L	99
5) Vinyl chloride	1.599	62	97047	4.504	ug/L	97
6) Bromomethane	1.853	94	55511	5.090	ug/L	98
8) Chloroethane	1.930	64	64299	4.885	ug/L	94
9) Trichlorofluoromethane	2.133	101	157304	5.066	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	85038	4.613	ug/L	100
12) 1,1-Dichloroethene	2.573	96	83052	4.912	ug/L	92
13) Acetone	2.637	43	120973	34.481	ug/L	97
14) Carbon disulfide	2.789	76	242404	4.406	ug/L	98
15) Methyl Acetate	2.949	43	24537	3.930	ug/L	98
16) Methylene chloride	3.039	84	94697	4.232	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	204330	4.974	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	84708	4.870	ug/L	98
19) 1,1-Dichloroethane	3.862	63	175184	5.084	ug/L	97
21) 2-Butanone	4.705	43	195387	42.919	ug/L	94
22) cis-1,2-Dichloroethene	4.660	96	97410	4.938	ug/L	98
23) Bromochloromethane	4.968	128	41303	5.086	ug/L	97
25) Chloroform	5.081	83	179950	4.820	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	112299	5.298	ug/L #	94
29) 1,1,1-Trichloroethane	5.309	97	158429	5.051	ug/L	100
30) Cyclohexane	5.383	56	127225	4.274	ug/L	98
31) Carbon tetrachloride	5.518	117	142500	5.290	ug/L	97
33) Benzene	5.769	78	396452	5.085	ug/L	100
34) Trichloroethene	6.538	95	102674	4.833	ug/L	96
35) Methylcyclohexane	6.759	83	130922	4.269	ug/L	97
37) 1,2-Dichloropropane	6.785	63	101446	4.989	ug/L	99
38) Bromodichloromethane	7.100	83	131643	5.015	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	138794	4.646	ug/L	95
40) 4-Methyl-2-pentanone	7.785	43	526525	52.241	ug/L	99
42) Toluene	7.965	91	418887	5.190	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	113983	4.786	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	74962	5.536	ug/L	92
47) Tetrachloroethene	8.550	164	75112	5.244	ug/L	99
48) 2-Hexanone	8.679	43	405471	51.641	ug/L	98
49) Dibromochloromethane	8.804	129	83876	5.447	ug/L	100
50) 1,2-Dibromoethane	8.920	107	68357	5.347	ug/L	92
51) Chlorobenzene	9.441	112	272900	5.262	ug/L	98
52) Ethylbenzene	9.566	91	473370	5.281	ug/L	99
53) m,p-Xylene	9.689	106	181447	5.506	ug/L	98
54) o-Xylene	10.097	106	171396	5.355	ug/L	99
55) Styrene	10.110	104	300074	5.636	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	90631	5.482	ug/L	95
59) Bromoform	10.287	173	46379	5.417	ug/L	98
60) Isopropylbenzene	10.480	105	474858	5.357	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	63707	5.402	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	375058	5.153	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	380030	5.290	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	218714	5.424	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	212078	5.243	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	199377	5.389	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	13876	5.508	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	154485	5.089	ug/L	96
70) 1,2,4-trichlorobenzene	13.836	180	129952	5.255	ug/L	99
71) Naphthalene	14.081	128	199247	5.333	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	111969	5.497	ug/L	97

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

