

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051922\
 Data File : VU048628.D
 Acq On : 19 May 2022 12:41
 Operator : SY/MD
 Sample : N2849-09MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXXX3MS

Quant Time: May 20 04:40:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 20 04:37:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	224757	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	221279	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	137391	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	45853	33.308	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.620%
7) Chloroethane-d5	1.912	69	39691	38.484	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.960%
11) 1,1-Dichloroethene-d2	2.572	63	124630	40.031	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.060%
21) 2-Butanone-d5	4.620	46	112556	85.919	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.920%
24) Chloroform-d	5.063	84	152518	43.843	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.680%
26) 1,2-Dichloroethane-d4	5.703	65	110187	44.898	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.800%
32) Benzene-d6	5.729	84	255939	41.560	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.120%
36) 1,2-Dichloropropane-d6	6.690	67	74074	40.972	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.940%
41) Toluene-d8	7.899	98	248098	42.830	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.660%
43) trans-1,3-Dichloroprop...	8.179	79	47727	41.284	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.560%
47) 2-Hexanone-d5	8.632	63	83886	84.607	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.610%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	126671	42.342	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.680%
66) 1,2-Dichlorobenzene-d4	12.192	152	117415	41.805	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	104239	43.157	ug/L	97
3) Chloromethane	1.523	50	54742	36.732	ug/L	99
5) Vinyl chloride	1.604	62	64692	40.806	ug/L	99
6) Bromomethane	1.855	94	48515	42.390	ug/L	97
8) Chloroethane	1.932	64	39050	41.849	ug/L	98
9) Trichlorofluoromethane	2.141	101	142124	45.922	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	72189	45.743	ug/L	97
12) 1,1-Dichloroethene	2.581	96	66631	45.565	ug/L	97
13) Acetone	2.626	43	78853	74.089	ug/L	98
14) Carbon disulfide	2.797	76	179301	42.252	ug/L	98
15) Methyl Acetate	2.948	43	73903	40.686	ug/L	99
16) Methylene chloride	3.044	84	73381	43.103	ug/L	97
17) trans-1,2-Dichloroethene	3.356	96	70209	44.515	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	249208	45.541	ug/L	99
19) 1,1-Dichloroethane	3.871	63	131488	45.536	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	81454	45.795	ug/L	98
22) 2-Butanone	4.703	43	109961	81.370	ug/L	97
23) Bromochloromethane	4.977	128	44864	45.455	ug/L	92
25) Chloroform	5.089	83	174644	51.817	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	136252	47.125	ug/L	96
29) Cyclohexane	5.391	56	99610	43.827	ug/L	97
30) 1,1,1-Trichloroethane	5.317	97	157130	46.898	ug/L	98
31) Carbon tetrachloride	5.530	117	142861	46.787	ug/L	99
33) Benzene	5.774	78	289318	44.753	ug/L	100
34) Trichloroethene	6.542	95	85306	46.640	ug/L	96
35) Methylcyclohexane	6.764	83	119064	45.363	ug/L	99
37) 1,2-Dichloropropane	6.790	63	69668	43.098	ug/L	98
38) Bromodichloromethane	7.105	83	131966	50.458	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	128873	46.695	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	210413	85.297	ug/L	98
42) Toluene	7.970	91	328496	46.619	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	135533	46.566	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	79139	45.716	ug/L	97
46) Tetrachloroethene	8.555	164	71059	47.610	ug/L	100
48) 2-Hexanone	8.684	43	176431	83.475	ug/L	99
49) Dibromochloromethane	8.809	129	109720	49.299	ug/L	97
50) 1,2-Dibromoethane	8.925	107	92285	46.193	ug/L	96
51) Chlorobenzene	9.446	112	221404	45.052	ug/L	98
52) Ethylbenzene	9.571	91	362651	45.036	ug/L	99
53) m,p-Xylene	9.693	106	148224	45.804	ug/L	99
54) o-Xylene	10.102	106	144380	46.572	ug/L	97
55) Styrene	10.115	104	248241	46.054	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	126029	42.125	ug/L	98
59) Bromoform	10.292	173	86155	45.619	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	116687	42.824	ug/L	96
61) Isopropylbenzene	10.484	105	383925	45.374	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	217707	45.258	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	340842	45.566	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	194865	44.658	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	194836	43.029	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	192992	43.484	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	43367	41.164	ug/L	92
69) 1,3,5-Trichlorobenzene	13.217	180	153876	44.244	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	132874	42.242	ug/L	97
71) Naphthalene	14.086	128	409306	39.463	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	138035	43.707	ug/L	100

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

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