

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020223\
 Data File : VU052935.D
 Acq On : 02 Feb 2023 18:56
 Operator : JC/MD
 Sample : 01381-24MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44M5MSD

Quant Time: Feb 03 00:29:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 00:24:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

02/03/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	247010	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	244956	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	142460	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.597	65	66579	37.449	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.900%
7) Chloroethane-d5	1.903	69	65028	44.390	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.780%
11) 1,1-Dichloroethene-d2	2.559	63	152465	43.116	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.240%
21) 2-Butanone-d5	4.626	46	84155	76.624	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.620%
24) Chloroform-d	5.057	84	163796	43.169	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.340%
26) 1,2-Dichloroethane-d4	5.694	65	109440	45.173	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.340%
32) Benzene-d6	5.719	84	320462	42.821	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.640%
36) 1,2-Dichloropropane-d6	6.684	67	93514	42.605	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.220%
41) Toluene-d8	7.893	98	293863	43.122	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.240%
43) trans-1,3-Dichloroprop...	8.176	79	48393	43.989	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.980%
47) 2-Hexanone-d5	8.649	63	64296	83.369	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.370%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	137056	42.263	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.520%
66) 1,2-Dichlorobenzene-d4	12.192	152	127277m	46.012	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.020%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.382	85	103068	44.561	ug/L	97
3) Chloromethane	1.517	50	88268	46.271	ug/L	99
5) Vinyl chloride	1.604	62	99869	47.322	ug/L	98
6) Bromomethane	1.851	94	67674	50.847	ug/L	99
8) Chloroethane	1.922	64	65976	49.773	ug/L	99
9) Trichlorofluoromethane	2.121	101	174530	49.375	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	93256	46.805	ug/L	98
12) 1,1-Dichloroethene	2.568	96	86583	47.383	ug/L	96
13) Acetone	2.633	43	69129	51.536	ug/L	97
14) Carbon disulfide	2.784	76	237693	43.069	ug/L	99
15) Methyl Acetate	2.945	43	68989	38.172	ug/L	97
16) Methylene chloride	3.038	84	98767	45.438	ug/L	99
17) trans-1,2-Dichloroethene	3.343	96	90272	45.714	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	280668	48.337	ug/L	99
19) 1,1-Dichloroethane	3.861	63	160448	46.329	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	266972	126.626	ug/L	100
22) 2-Butanone	4.707	43	97889	68.275	ug/L	93
23) Bromochloromethane	4.967	128	55258	46.673	ug/L	99
25) Chloroform	5.080	83	187978	48.351	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	142060	46.156	ug/L	98
29) Cyclohexane	5.382	56	130523	44.966	ug/L	96
30) 1,1,1-Trichloroethane	5.308	97	165858	46.032	ug/L	99
31) Carbon tetrachloride	5.517	117	145402	46.552	ug/L	99
33) Benzene	5.768	78	400974	48.088	ug/L	100
34) Trichloroethene	6.536	95	236290	111.491	ug/L	97
35) Methylcyclohexane	6.758	83	151760	45.242	ug/L	98
37) 1,2-Dichloropropane	6.784	63	93499	45.609	ug/L	99
38) Bromodichloromethane	7.102	83	135773	45.133	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	149582	46.580	ug/L	99
40) 4-Methyl-2-pentanone	7.806	43	200064	82.836	ug/L	99
42) Toluene	7.964	91	396896	46.444	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	144629	45.829	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	96105	45.844	ug/L	99
46) Tetrachloroethene	8.549	164	82456	45.183	ug/L	98
48) 2-Hexanone	8.697	43	156182	76.440	ug/L	96
49) Dibromochloromethane	8.809	129	115018	45.879	ug/L	98
50) 1,2-Dibromoethane	8.919	107	104280	46.218	ug/L	94
51) Chlorobenzene	9.443	112	1022346	173.885	ug/L	98
52) Ethylbenzene	9.568	91	444828	48.708	ug/L	100
53) m,p-Xylene	9.690	106	180722	48.881	ug/L	99
54) o-xylene	10.099	106	175798	49.808	ug/L	97
55) Styrene	10.112	104	303628	50.132	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.784	83	150385	44.327	ug/L	100
59) Bromoform	10.292	173	88326	45.245	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	117890	42.662	ug/L	99
61) Isopropylbenzene	10.481	105	452155	49.143	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	389131	50.794	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	381575	51.472	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	240751	51.863	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	370334	77.062	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	957556	203.940	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	32063	40.479	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	167523	48.747	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	310194	107.661	ug/L	98
71) Naphthalene	14.082	128	435018	52.540	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	196141	64.416	ug/L	99

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

Manual Integrations

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