

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053459.D
 Acq On : 29 Mar 2023 01:40
 Operator : JC/MD
 Sample : 02054-09MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EYF64MSD

Quant Time: Mar 29 04:20:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 02:16:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	200892	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	189813	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	97002	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	79782	43.048	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.100%
7) Chloroethane-d5	1.912	69	66134	44.115	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.220%
11) 1,1-Dichloroethene-d2	2.568	63	134674	41.947	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.900%
21) 2-Butanone-d5	4.623	46	106298	123.662	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.660%
24) Chloroform-d	5.057	84	139068	45.558	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.120%
26) 1,2-Dichloroethane-d4	5.697	65	90049	47.500	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.000%
32) Benzene-d6	5.723	84	273123	44.362	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.720%
36) 1,2-Dichloropropane-d6	6.684	67	92569	46.587	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.180%
41) Toluene-d8	7.893	98	251979	43.960	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.920%
43) trans-1,3-Dichloroprop...	8.176	79	44004	44.885	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.760%
47) 2-Hexanone-d5	8.626	63	60756	97.801	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.800%
56) 1,1,2,2-Tetrachloroeth...	10.748	84	130306	50.623	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.240%
66) 1,2-Dichlorobenzene-d4	12.189	152	96905	51.594	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	85959	40.993	ug/L	99
3) Chloromethane	1.520	50	93253	48.263	ug/L	98
5) Vinyl chloride	1.604	62	96841	45.817	ug/L	100
6) Bromomethane	1.858	94	57245	45.056	ug/L	96
8) Chloroethane	1.935	64	59262	47.466	ug/L	98
9) Trichlorofluoromethane	2.138	101	118970	45.112	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	68572	42.984	ug/L	95
12) 1,1-Dichloroethene	2.578	96	64610	43.793	ug/L	97
13) Acetone	2.636	43	72206	73.755	ug/L	93
14) Carbon disulfide	2.793	76	170664	38.192	ug/L	100
15) Methyl Acetate	2.948	43	83158	61.971	ug/L	93
16) Methylene chloride	3.044	84	77203	43.135	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	65615	43.833	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	229054	45.505	ug/L	97
19) 1,1-Dichloroethane	3.864	63	139462	45.640	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	80064	45.537	ug/L	96
22) 2-Butanone	4.703	43	116706	104.637	ug/L	92
23) Bromochloromethane	4.967	128	38890	46.389	ug/L	91
25) Chloroform	5.083	83	141479	46.269	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	113559	47.047	ug/L	99
29) Cyclohexane	5.385	56	117106	41.405	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	113985	44.056	ug/L	97
31) Carbon tetrachloride	5.520	117	93502	44.112	ug/L	100
33) Benzene	5.768	78	301537	45.822	ug/L	100
34) Trichloroethene	6.536	95	89769	52.317	ug/L	98
35) Methylcyclohexane	6.758	83	113262	37.657	ug/L	94
37) 1,2-Dichloropropane	6.784	63	85364	46.495	ug/L	98
38) Bromodichloromethane	7.102	83	102456	44.842	ug/L	98
39) cis-1,3-Dichloropropene	7.600	75	131169	43.485	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	232094	122.990	ug/L	94
42) Toluene	7.964	91	318785	45.060	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	123413	44.759	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	80123	47.927	ug/L	99
46) Tetrachloroethene	8.549	164	53261	47.711	ug/L	96
48) 2-Hexanone	8.677	43	178610	113.027	ug/L	95
49) Dibromochloromethane	8.803	129	74762	43.717	ug/L	100
50) 1,2-Dibromoethane	8.919	107	86752	48.700	ug/L #	99
51) Chlorobenzene	9.443	112	202549	45.937	ug/L	99
52) Ethylbenzene	9.565	91	357762	44.593	ug/L	99
53) m,p-Xylene	9.690	106	132392	44.213	ug/L	99
54) o-Xylene	10.095	106	131010	44.236	ug/L	100
55) Styrene	10.108	104	224326	45.447	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	137666	50.227	ug/L	98
59) Bromoform	10.285	173	54804	49.647	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	104484	54.206	ug/L	99
61) Isopropylbenzene	10.478	105	346985	45.273	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	280496	44.214	ug/L	98
63) 1,2,4-Trimethylbenzene	11.462	105	278008	44.957	ug/L	100
64) 1,3-Dichlorobenzene	11.738	146	158052	49.171	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	161301	49.987	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	161091	50.142	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	28056	52.637	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	106946	52.478	ug/L	97
70) 1,2,4-trichlorobenzene	13.835	180	101108	55.217	ug/L	98
71) Naphthalene	14.079	128	345323	55.952	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	100786	58.040	ug/L	98

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

