

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031523\
 Data File : VU053214.D
 Acq On : 15 Mar 2023 20:34
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050160

Quant Time: Mar 16 04:04:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 16 03:54:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	168155	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	160490	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	87751	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	70074	45.170	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.340%
7) Chloroethane-d5	1.912	69	56832	45.290	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.580%
11) 1,1-Dichloroethene-d2	2.568	63	121985	45.392	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.780%
21) 2-Butanone-d5	4.620	46	68623	95.374	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.370%
24) Chloroform-d	5.057	84	119314	46.696	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	5.697	65	75006	47.268	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.540%
32) Benzene-d6	5.722	84	246472	47.348	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.700%
36) 1,2-Dichloropropane-d6	6.684	67	77916	46.377	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.760%
41) Toluene-d8	7.893	98	222430	45.895	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.780%
43) trans-1,3-Dichloroprop...	8.172	79	37913	45.738	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.480%
47) 2-Hexanone-d5	8.626	63	51961	98.926	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.930%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	103609	47.606	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.220%
66) 1,2-Dichlorobenzene-d4	12.188	152	76264	44.885	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	85334	48.618	ug/L	99
3) Chloromethane	1.520	50	78829	48.740	ug/L	99
5) Vinyl chloride	1.604	62	90021	50.882	ug/L	99
6) Bromomethane	1.858	94	48898	45.979	ug/L	97
8) Chloroethane	1.935	64	52411	50.151	ug/L	99
9) Trichlorofluoromethane	2.141	101	106941	48.445	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	62413	46.740	ug/L	96
12) 1,1-Dichloroethene	2.581	96	57924	46.905	ug/L	96
13) Acetone	2.632	43	46533	56.785	ug/L	98
14) Carbon disulfide	2.793	76	177813	47.539	ug/L	99
15) Methyl Acetate	2.948	43	55713	49.601	ug/L	97
16) Methylene chloride	3.044	84	70667	47.170	ug/L	99
17) trans-1,2-Dichloroethene	3.349	96	60359	48.172	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	214282	50.858	ug/L	99
19) 1,1-Dichloroethane	3.864	63	127170	49.720	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	84366	57.325	ug/L	98
22) 2-Butanone	4.700	43	77202	82.694	ug/L	99
23) Bromochloromethane	4.970	128	33651	47.954	ug/L	91
25) Chloroform	5.083	83	125734	49.125	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	102270	50.618	ug/L	100
29) Cyclohexane	5.385	56	115289	48.210	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	106356	48.618	ug/L	99
31) Carbon tetrachloride	5.520	117	85731	47.836	ug/L	99
33) Benzene	5.771	78	282698	50.808	ug/L	100
34) Trichloroethene	6.536	95	82207	56.664	ug/L	98
35) Methylcyclohexane	6.758	83	119150	46.853	ug/L	99
37) 1,2-Dichloropropane	6.787	63	78602	50.634	ug/L	99
38) Bromodichloromethane	7.099	83	95383	49.374	ug/L	97
39) cis-1,3-Dichloropropene	7.603	75	123787	48.536	ug/L	100
40) 4-Methyl-2-pentanone	7.783	43	158361	99.250	ug/L	99
42) Toluene	7.963	91	293887	49.130	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	114887	49.279	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	71063	50.274	ug/L	97
46) Tetrachloroethene	8.549	164	44199	46.827	ug/L	97
48) 2-Hexanone	8.677	43	119804	89.666	ug/L	100
49) Dibromochloromethane	8.803	129	70229	48.570	ug/L	99
50) 1,2-Dibromoethane	8.918	107	75068	49.841	ug/L	98
51) Chlorobenzene	9.443	112	184787	49.565	ug/L	99
52) Ethylbenzene	9.565	91	336113	49.549	ug/L	100
53) m,p-Xylene	9.690	106	126270	49.873	ug/L	99
54) o-Xylene	10.095	106	123045	49.137	ug/L	99
55) Styrene	10.108	104	208595	49.981	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	114998	49.622	ug/L	97
59) Bromoform	10.285	173	47387	47.453	ug/L	97
60) 1,2,3-Trichloropropane	10.815	75	85264	48.898	ug/L	99
61) Isopropylbenzene	10.478	105	329237	47.486	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	270440	47.123	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	262443	46.914	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	136896	47.079	ug/L	98
65) 1,4-Dichlorobenzene	11.831	146	136911	46.902	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	137775	47.406	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	23363	48.453	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	84940	46.074	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	79865	48.214	ug/L	99
71) Naphthalene	14.082	128	283042	50.695	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	78293	49.840	ug/L	98

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

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