

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052721\
 Data File : VV021442.D
 Acq On : 27 May 2021 12:51
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV164

Manual Integrations
 APPROVED

MMDadoda
 5/28/2021 3:06:24 PM

Quant Time: May 28 03:22:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 28 02:47:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	494437	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	460980	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	271234	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	158201	48.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.20%
7) Chloroethane-d5	1.568	69	113669	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.88%
11) 1,1-Dichloroethene-d2	2.108	63	272924	49.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.14%
21) 2-Butanone-d5	3.876	46	234231	100.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.34%
24) Chloroform-d	4.346	84	318405	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
26) 1,2-Dichloroethane-d4	5.031	65	183481	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.32%
32) Benzene-d6	5.047	84	634100	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.34%
36) 1,2-Dichloropropane-d6	6.069	67	193534	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.20%
41) Toluene-d8	7.313	98	612506	49.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.70%
43) trans-1,3-Dichloroprop...	7.619	79	106197	49.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.66%
47) 2-Hexanone-d5	8.085	63	183894	100.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.56%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	274934	49.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.46%
66) 1,2-Dichlorobenzene-d4	11.625	152	276109	48.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.94%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	166784	48.67	ug/L	99
3) Chloromethane	1.240	50	167649	49.11	ug/L	99
5) Vinyl chloride	1.311	62	170753	48.73	ug/L	100
6) Bromomethane	1.523	94	119539	49.82	ug/L	98
8) Chloroethane	1.584	64	94729	47.55	ug/L	99
9) Trichlorofluoromethane	1.751	101	257660	49.58	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	151694	50.21	ug/L	99
12) 1,1-Dichloroethene	2.118	96	144780	49.89	ug/L	96
13) Acetone	2.172	43	186996m	93.10	ug/L	
14) Carbon disulfide	2.294	76	454963	49.73	ug/L	100
15) Methyl Acetate	2.429	43	167336	48.62	ug/L	99
16) Methylene chloride	2.507	84	173565	47.75	ug/L	97
17) trans-1,2-Dichloroethene	2.757	96	165735	50.06	ug/L	99
18) Methyl tert-butyl Ether	2.764	73	516324	49.19	ug/L	99
19) 1,1-Dichloroethane	3.188	63	285193	48.61	ug/L	99
20) cis-1,2-Dichloroethene	3.908	96	180422	48.71	ug/L	98
22) 2-Butanone	3.963	43	248741	97.76	ug/L	99
23) Bromochloromethane	4.246	128	100539	49.01	ug/L	95
25) Chloroform	4.371	83	297373	48.98	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	210498	50.19	ug/L	98
29) Cyclohexane	4.677	56	258930	48.21	ug/L	99
30) 1,1,1-Trichloroethane	4.606	97	278349	48.91	ug/L	100
31) Carbon tetrachloride	4.825	117	253929	49.15	ug/L	99
33) Benzene	5.098	78	644689	48.86	ug/L	100
34) Trichloroethene	5.912	95	177766	49.57	ug/L	98
35) Methylcyclohexane	6.130	83	281078	48.82	ug/L	100
37) 1,2-Dichloropropane	6.172	63	163639	48.64	ug/L	100
38) Bromodichloromethane	6.506	83	230094	48.74	ug/L	98
39) cis-1,3-Dichloropropene	7.024	75	284199	50.25	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	442913	97.10	ug/L	99
42) Toluene	7.387	91	719538	49.16	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	267792	50.05	ug/L	99
45) 1,1,2-Trichloroethane	7.838	97	168588	49.38	ug/L	99
46) Tetrachloroethene	7.973	164	164887	50.01	ug/L	100
48) 2-Hexanone	8.137	43	354523	101.34	ug/L	100
49) Dibromochloromethane	8.246	129	210373	49.20	ug/L	98
50) 1,2-Dibromoethane	8.352	107	184725	49.16	ug/L	100
51) Chlorobenzene	8.879	112	477256	49.32	ug/L	99
52) Ethylbenzene	9.011	91	798980	49.70	ug/L	99
53) m,p-Xylene	9.137	106	310515	50.27	ug/L	98
54) o-Xylene	9.542	106	302778	49.64	ug/L	99
55) Styrene	9.558	104	525417	50.05	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	263400	49.42	ug/L	99
59) Bromoform	9.728	173	178941	48.90	ug/L	100
60) Isopropylbenzene	9.931	105	823035	48.97	ug/L	100
61) 1,2,3-Trichloropropane	10.272	75	204775	48.05	ug/L	100
62) 1,3,5-Trimethylbenzene	10.538	105	704434	48.69	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	718855	49.18	ug/L	99
64) 1,3-Dichlorobenzene	11.182	146	423402	49.87	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	419587	48.95	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	414710	48.79	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.426	75	62987	47.44	ug/L	100
69) 1,3,5-Trichlorobenzene	12.644	180	361484	50.47	ug/L	100
70) 1,2,4-trichlorobenzene	13.262	180	329151	51.45	ug/L	99
71) Naphthalene	13.500	128	920541	52.16	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	322919	51.85	ug/L	99

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

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