

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050521\
 Data File : VV021297.D
 Acq On : 05 May 2021 16:52
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050192

Manual Integrations
 APPROVED

MMDadoda
 5/6/2021 4:20:05 PM

Quant Time: May 06 02:19:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 06 02:15:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	698091	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	685926	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	406470	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	172837	55.81	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery =	111.62%		
7) Chloroethane-d5	1.571	69	145978	52.75	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery =	105.50%		
11) 1,1-Dichloroethene-d2	2.111	63	422541	48.91	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	97.82%		
21) 2-Butanone-d5	3.902	46	240918m	96.95	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery =	96.95%		
24) Chloroform-d	4.355	84	472146	47.90	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	95.80%		
26) 1,2-Dichloroethane-d4	5.037	65	346291	46.94	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	93.88%		
32) Benzene-d6	5.053	84	784649	49.67	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	99.34%		
36) 1,2-Dichloropropane-d6	6.075	67	186899	46.06	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery =	92.12%		
41) Toluene-d8	7.320	98	814892	49.78	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	99.56%		
43) trans-1,3-Dichloroprop...	7.625	79	137042	45.40	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	90.80%		
47) 2-Hexanone-d5	8.091	63	183169	97.75	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery =	97.75%		
56) 1,1,2,2-Tetrachloroeth...	10.220	84	306262	47.16	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery =	94.32%		
66) 1,2-Dichlorobenzene-d4	11.628	152	368556	46.01	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	92.02%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	256926	45.59	ug/L	100
3) Chloromethane	1.243	50	152719	45.07	ug/L	97
5) Vinyl chloride	1.314	62	190603	45.13	ug/L	97
6) Bromomethane	1.523	94	162331	48.85	ug/L	95
8) Chloroethane	1.587	64	123076	45.11	ug/L	98
9) Trichlorofluoromethane	1.754	101	505407	45.63	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	232223	47.48	ug/L	97
12) 1,1-Dichloroethene	2.121	96	199621	45.67	ug/L	92
13) Acetone	2.201	43	229042	77.99	ug/L	77
14) Carbon disulfide	2.294	76	488123	44.51	ug/L	100
15) Methyl Acetate	2.442	43	179350	50.56	ug/L	100
16) Methylene chloride	2.510	84	220903	49.34	ug/L	96
17) trans-1,2-Dichloroethene	2.764	96	200840	45.89	ug/L	95
18) Methyl tert-butyl Ether	2.770	73	774516	49.36	ug/L #	91
19) 1,1-Dichloroethane	3.195	63	369641	48.75	ug/L	98
20) cis-1,2-Dichloroethene	3.918	96	237003	49.25	ug/L	95
22) 2-Butanone	3.986	43	255148	91.02	ug/L	99
23) Bromochloromethane	4.249	128	136273	49.43	ug/L #	87
25) Chloroform	4.381	83	475602	47.64	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	443936	48.78	ug/L	96
29) Cyclohexane	4.683	56	262110	45.46	ug/L	85
30) 1,1,1-Trichloroethane	4.609	97	512547	47.82	ug/L	99
31) Carbon tetrachloride	4.831	117	458451	46.01	ug/L	98
33) Benzene	5.104	78	840060	47.87	ug/L	100
34) Trichloroethene	5.918	95	263516	46.67	ug/L	98
35) Methylcyclohexane	6.137	83	344854	46.76	ug/L	99
37) 1,2-Dichloropropane	6.175	63	171484	46.28	ug/L #	93
38) Bromodichloromethane	6.513	83	370565	47.13	ug/L	98
39) cis-1,3-Dichloropropene	7.030	75	364269	50.38	ug/L	98
40) 4-Methyl-2-pentanone	7.230	43	518988	98.86	ug/L	98
42) Toluene	7.391	91	1000221	48.91	ug/L	100
44) trans-1,3-Dichloropropene	7.654	75	391651	49.66	ug/L	98
45) 1,1,2-Trichloroethane	7.844	97	237050	49.86	ug/L	94
46) Tetrachloroethene	7.979	164	227829	46.95	ug/L	98
48) 2-Hexanone	8.143	43	411902	97.67	ug/L #	95
49) Dibromochloromethane	8.249	129	319231	47.33	ug/L	99
50) 1,2-Dibromoethane	8.355	107	260712	48.68	ug/L	94
51) Chlorobenzene	8.886	112	675482	47.78	ug/L	96
52) Ethylbenzene	9.017	91	1143785	48.41	ug/L	99
53) m,p-Xylene	9.143	106	450869	48.60	ug/L	100
54) o-Xylene	9.548	106	441366	49.36	ug/L	97
55) Styrene	9.564	104	769301	50.53	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.246	83	321633	50.05	ug/L	95
59) Bromoform	9.738	173	254041	46.69	ug/L	99
60) Isopropylbenzene	9.937	105	1236767	47.62	ug/L	99
61) 1,2,3-Trichloropropane	10.278	75	312547	47.03	ug/L	95
62) 1,3,5-Trimethylbenzene	10.545	105	1097972	48.27	ug/L	98
63) 1,2,4-Trimethylbenzene	10.921	105	1131325	49.56	ug/L	94
64) 1,3-Dichlorobenzene	11.188	146	599243	47.52	ug/L	98
65) 1,4-Dichlorobenzene	11.278	146	601748	46.60	ug/L	99
67) 1,2-Dichlorobenzene	11.651	146	613294	48.15	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.432	75	107174	46.37	ug/L	88
69) 1,3,5-Trichlorobenzene	12.651	180	464588	47.57	ug/L	99
70) 1,2,4-trichlorobenzene	13.268	180	400027	50.31	ug/L	98
71) Naphthalene	13.509	128	1097992	50.28	ug/L	99
72) 1,2,3-Trichlorobenzene	13.750	180	398126	49.48	ug/L	96

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

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