

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082721\
 Data File : VV021989.D
 Acq On : 27 Aug 2021 20:31
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050319

Manual Integrations
 APPROVED

MMDadoda
 8/30/2021 10:21:24 AM

Quant Time: Aug 28 02:44:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 28 02:34:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	371017	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	353996	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	191579	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	123690	48.141	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.280%		
7) Chloroethane-d5	1.561	69	99906	49.792	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.580%		
11) 1,1-Dichloroethene-d2	2.108	63	213233	50.181	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	100.360%		
21) 2-Butanone-d5	3.873	46	189574	107.584	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	107.580%		
24) Chloroform-d	4.352	84	232268	49.578	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.160%		
26) 1,2-Dichloroethane-d4	5.034	65	137171	49.708	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.420%		
32) Benzene-d6	5.050	84	479287	49.917	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.840%		
36) 1,2-Dichloropropane-d6	6.072	67	149994	49.674	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.340%		
41) Toluene-d8	7.317	98	452424	49.916	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.840%		
43) trans-1,3-Dichloroprop...	7.622	79	70112	48.784	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.560%		
47) 2-Hexanone-d5	8.088	63	132000	113.931	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	113.930%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	210208	54.356	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	108.720%		
66) 1,2-Dichlorobenzene-d4	11.625	152	185809	49.336	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.680%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	120721	47.336	ug/L	99
3) Chloromethane	1.240	50	128094	47.433	ug/L	99
5) Vinyl chloride	1.310	62	132054	48.516	ug/L	100
6) Bromomethane	1.513	94	80825	49.390	ug/L	100
8) Chloroethane	1.581	64	82829	48.645	ug/L	100
9) Trichlorofluoromethane	1.751	101	192506	49.665	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	110167	48.458	ug/L	100
12) 1,1-Dichloroethene	2.117	96	106899	49.951	ug/L	87
13) Acetone	2.159	43	118493m	80.257	ug/L	
14) Carbon disulfide	2.291	76	303837	47.051	ug/L	99
15) Methyl Acetate	2.426	43	148143	51.525	ug/L	100
16) Methylene chloride	2.507	84	140783	49.100	ug/L	99
17) trans-1,2-Dichloroethene	2.761	96	125520	48.508	ug/L	98
18) Methyl tert-butyl Ether	2.767	73	407882	49.605	ug/L	100
19) 1,1-Dichloroethane	3.188	63	229298	49.754	ug/L	99
20) cis-1,2-Dichloroethene	3.912	96	141932	49.282	ug/L	98
22) 2-Butanone	3.957	43	194069	93.513	ug/L	99
23) Bromochloromethane	4.249	128	75886	49.477	ug/L	96
25) Chloroform	4.378	83	242568	49.721	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	168694	51.584	ug/L	100
29) Cyclohexane	4.680	56	193028	48.779	ug/L	98
30) 1,1,1-Trichloroethane	4.609	97	206943	49.187	ug/L	99
31) Carbon tetrachloride	4.831	117	174369	48.239	ug/L	98
33) Benzene	5.101	78	513504	49.858	ug/L	100
34) Trichloroethene	5.915	95	137453	47.116	ug/L	98
35) Methylcyclohexane	6.133	83	198058	46.439	ug/L	99
37) 1,2-Dichloropropane	6.175	63	136145	50.995	ug/L	100
38) Bromodichloromethane	6.513	83	169113	49.533	ug/L	100
39) cis-1,3-Dichloropropene	7.030	75	203081	49.269	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	384623	106.267	ug/L	100
42) Toluene	7.391	91	558928	50.282	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	188639	49.173	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	135464	49.868	ug/L	99
46) Tetrachloroethene	7.979	164	108549	47.852	ug/L	98
48) 2-Hexanone	8.140	43	295718	105.303	ug/L	99
49) Dibromochloromethane	8.249	129	145321	49.978	ug/L	99
50) 1,2-Dibromoethane	8.355	107	146451	50.234	ug/L	99
51) Chlorobenzene	8.882	112	365462	48.900	ug/L	99
52) Ethylbenzene	9.014	91	595528	49.491	ug/L	100
53) m,p-Xylene	9.140	106	230774	49.342	ug/L	99
54) o-Xylene	9.545	106	227185	49.092	ug/L	99
55) Styrene	9.561	104	399570	50.594	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.243	83	217697	55.312	ug/L	100
59) Bromoform	9.735	173	104544	51.379	ug/L	100
60) Isopropylbenzene	9.934	105	604055	50.179	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	172432	51.932	ug/L	99
62) 1,3,5-Trimethylbenzene	10.542	105	501510	49.624	ug/L	98
63) 1,2,4-Trimethylbenzene	10.915	105	513615	50.000	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	299009	48.921	ug/L	98
65) 1,4-Dichlorobenzene	11.275	146	300178	47.996	ug/L	99
67) 1,2-Dichlorobenzene	11.644	146	299154	49.294	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.432	75	42469	53.071	ug/L	93
69) 1,3,5-Trichlorobenzene	12.648	180	214213	46.871	ug/L	100
70) 1,2,4-trichlorobenzene	13.265	180	192164	47.798	ug/L	100
71) Naphthalene	13.503	128	607683	52.546	ug/L	100
72) 1,2,3-Trichlorobenzene	13.747	180	195222	49.785	ug/L	99

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

