

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080221\
 Data File : VV021709.D
 Acq On : 02 Aug 2021 09:32
 Operator : SY/MD
 Sample : VSTD00532
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005232

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 4:10:24 PM

Quant Time: Aug 03 01:14:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 03 01:13:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	368745	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	343342	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	171992	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	11607	4.527	ug/L	0.00
7) Chloroethane-d5	1.558	69	9632	5.345	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.105	63	20664	4.766	ug/L	0.00
21) 2-Butanone-d5	3.892	46	16541	8.226	ug/L	0.02
24) Chloroform-d	4.349	84	23313	4.707	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.034	65	14463	4.935	ug/L	0.00
32) Benzene-d6	5.050	84	46491	4.630	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.072	67	14884	4.744	ug/L	0.00
41) Toluene-d8	7.317	98	42899	4.627	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.628	79	7085	4.522	ug/L	0.00
47) 2-Hexanone-d5	8.095	63	9555	6.739	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.217	84	17434	4.186	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.628	152	17197	4.866	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	12984	4.911	ug/L	97
3) Chloromethane	1.240	50	12402	4.959	ug/L	96
5) Vinyl chloride	1.310	62	12827	4.948	ug/L	99
6) Bromomethane	1.510	94	7825	5.843	ug/L	99
8) Chloroethane	1.577	64	7764	5.209	ug/L	96
9) Trichlorofluoromethane	1.748	101	18387	4.978	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	10370	4.958	ug/L	97
12) 1,1-Dichloroethene	2.114	96	9509	4.899	ug/L	91
13) Acetone	2.156	43	17459	13.477	ug/L	99
14) Carbon disulfide	2.291	76	25350	4.425	ug/L	96
15) Methyl Acetate	2.429	43	13032	4.653	ug/L	100
16) Methylene chloride	2.503	84	13483	4.832	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	10897	4.727	ug/L	95
18) Methyl tert-butyl Ether	2.767	73	37756	4.801	ug/L	95
19) 1,1-Dichloroethane	3.188	63	21045	4.803	ug/L	99
20) cis-1,2-Dichloroethene	3.912	96	12673	4.728	ug/L	98
22) 2-Butanone	3.973	43	18851m	9.632	ug/L	
23) Bromochloromethane	4.252	128	7167	5.042	ug/L	92
25) Chloroform	4.375	83	22681	5.005	ug/L	97
27) 1,2-Dichloroethane	5.133	62	15599	4.789	ug/L	96
29) Cyclohexane	4.670	56	17536	4.684	ug/L	97
30) 1,1,1-Trichloroethane	4.606	97	19167	4.728	ug/L	98
31) Carbon tetrachloride	4.825	117	16453	4.713	ug/L	100
33) Benzene	5.101	78	44743	4.613	ug/L	100
34) Trichloroethene	5.918	95	14077	5.325	ug/L	98
35) Methylcyclohexane	6.130	83	17069	4.374	ug/L	97
37) 1,2-Dichloropropane	6.175	63	12636	4.983	ug/L #	93
38) Bromodichloromethane	6.513	83	16117	4.667	ug/L	93
39) cis-1,3-Dichloropropene	7.034	75	17550	4.295	ug/L	94
40) 4-Methyl-2-pentanone	7.227	43	32858	8.791	ug/L	98
42) Toluene	7.391	91	48827	4.665	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	17391	4.485	ug/L	95

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45) 1,1,2-Trichloroethane	7.841	97	12076	4.700	ug/L	99
46) Tetrachloroethene	7.976	164	9851	4.822	ug/L	92
48) 2-Hexanone	8.143	43	26820	9.368	ug/L	98
49) Dibromochloromethane	8.246	129	13554	4.663	ug/L	100
50) 1,2-Dibromoethane	8.355	107	12866	4.697	ug/L #	91
51) Chlorobenzene	8.882	112	33140	4.813	ug/L	99
52) Ethylbenzene	9.014	91	52189	4.645	ug/L	98
53) m,p-Xylene	9.140	106	20455	4.697	ug/L	98
54) o-Xylene	9.545	106	20251	4.625	ug/L	96
55) Styrene	9.564	104	32795	4.445	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.243	83	16315	4.157	ug/L	96
59) Bromoform	9.731	173	8871	4.201	ug/L	96
60) Isopropylbenzene	9.934	105	54260	4.897	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	15092	4.756	ug/L	99
62) 1,3,5-Trimethylbenzene	10.542	105	43991	4.704	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	44854	4.739	ug/L	100
64) 1,3-Dichlorobenzene	11.185	146	25306	4.809	ug/L	94
65) 1,4-Dichlorobenzene	11.275	146	25852	4.900	ug/L	99
67) 1,2-Dichlorobenzene	11.644	146	25960	4.862	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.432	75	3003	3.442	ug/L	98
69) 1,3,5-Trichlorobenzene	12.648	180	17799	4.562	ug/L	97
70) 1,2,4-trichlorobenzene	13.265	180	13133	3.842	ug/L	95
71) Naphthalene	13.509	128	29046	2.774	ug/L	100
72) 1,2,3-Trichlorobenzene	13.747	180	13018	3.759	ug/L	95

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

