

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036983.D
 Acq On : 19 May 2021 00:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:56:19 PM

Quant Time: May 19 08:52:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1195958	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3637453	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3774373m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2842711	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1987590	9.797	ppbv	100
3) Chlorodifluoromethane	2.97	51	2166148	9.886	ppbv	99
4) Chloromethane	3.12	50	760868	10.205	ppbv	100
5) Vinyl Chloride	3.24	62	805499	9.884	ppbv	100
6) Bromomethane	3.46	94	461988	10.758	ppbv	99
7) Chloroethane	3.54	64	273553	10.338	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1892655	9.936	ppbv	98
9) Propene	3.00	41	772450	9.846	ppbv	99
10) Heptane	8.10	43	1830435	9.362	ppbv	99
11) Trichlorofluoromethane	3.93	101	1919286	10.220	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1343101	10.041	ppbv	98
13) Ethanol	3.60	45	80500m	7.690	ppbv	
14) Bromoethene	3.72	108	596028	10.116	ppbv	99
15) Acetone	3.84	43	1013140	8.271	ppbv	97
16) 1,3-Butadiene	3.31	39	763092	10.027	ppbv	98
17) tert-Butyl alcohol	4.27	59	1067620	9.515	ppbv	100
18) 1,1-Dichloroethene	4.27	96	623397	10.078	ppbv	99
19) Isopropyl Alcohol	3.95	45	616684	9.365	ppbv #	34
20) Methylene Chloride	4.33	84	518018	7.889	ppbv	98
21) Allyl Chloride	4.40	41	926371	10.024	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	613012	10.341	ppbv	97
23) Vinyl Acetate	5.06	43	1932294	9.938	ppbv #	99
24) 1,1-Dichloroethane	4.99	63	1441867	10.302	ppbv	100
25) Ethyl Acetate	5.66	43	2786590	9.467	ppbv	100
26) Hexane	5.67	57	1358132	9.032	ppbv	99
27) Carbon Disulfide	4.53	76	1457019	9.614	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1701203	9.438	ppbv	99
29) Chloroform	5.74	83	2060397	9.698	ppbv	98
30) Cyclohexane	7.11	84	1191321	9.323	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1315489	9.757	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2088089	9.153	ppbv	99
34) 2-Butanone	5.23	43	1319584	9.963	ppbv	99
35) Carbon Tetrachloride	7.00	117	2161645	8.944	ppbv	100
36) Benzene	6.87	78	2838796	9.061	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1530785	9.855	ppbv	100
38) Trichloroethene	7.82	130	1133380	8.456	ppbv	99
39) 1,2-Dichloropropane	7.59	63	1096603	9.086	ppbv	97
40) 1,4-Dioxane	7.82	88	279317m	9.801	ppbv	
41) Tetrahydrofuran	6.03	42	679879	9.013	ppbv	99
42) Bromodichloromethane	7.77	83	2223388	9.461	ppbv	98
43) Methyl Methacrylate	7.99	69	1033991	9.575	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4689375	8.724	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1017170	12.329	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1340620	12.081	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1182122	9.358	ppbv	99
48) Dibromochloromethane	10.28	129	2120717	10.368	ppbv	100
49) Bromoform	13.02	173	1764470	10.446	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2058235	9.417	ppbv	98
51) 2-Hexanone	10.12	43	1139564	9.863	ppbv	98
52) Tetrachloroethene	11.20	164	1223195	9.818	ppbv	94
53) Toluene	9.78	91	3472927	9.316	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1875859	10.445	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1420597	8.945	ppbv	98
57) Chlorobenzene	12.13	112	2698474	9.221	ppbv	96
58) Ethyl Benzene	12.69	91	4744316	8.906	ppbv	98
59) m/p-Xylene	12.98	91	7818201m	17.755	ppbv	
60) o-Xylene	13.67	91	3697177	8.804	ppbv	99
61) Styrene	13.51	104	2285576	9.660	ppbv	100
62) Isopropylbenzene	14.64	105	5244846	8.690	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2544283	8.112	ppbv	99
64) n-propylbenzene	15.54	120	1446007	9.286	ppbv	99
65) tert-Butylbenzene	16.73	119	4697525	8.625	ppbv	99
66) Benzyl Chloride	16.97	91	250230	8.281	ppbv	97
67) sec-Butylbenzene	17.27	105	6391488	8.603	ppbv	99
69) p-Isopropyltoluene	17.63	119	5560776	8.705	ppbv	100
70) n-Butylbenzene	18.53	91	5340877	8.801	ppbv	99
71) 2-Chlorotoluene	15.43	91	3917953	8.988	ppbv	99
72) 4-Ethyltoluene	15.82	105	4604257	9.237	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4138995	8.843	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4272827	8.829	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	2727242	9.228	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2639018	8.832	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2632932	8.891	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1843775	7.743	ppbv	100
79) Naphthalene	22.17	128	3999503	10.532	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1167199	14.135	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2235465	9.657	ppbv	100

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

