

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032921\
 Data File : VL036557.D
 Acq On : 30 Mar 2021 3:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 7:44:50 PM

Quant Time: Mar 30 12:09:57 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1501098	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3544910	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3394260m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2838220	10.49	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2163756	8.838	ppbv	99
3) Chlorodifluoromethane	2.97	51	2508370	8.944	ppbv	100
4) Chloromethane	3.12	50	840499	8.484	ppbv	94
5) Vinyl Chloride	3.24	62	860649	8.449	ppbv	95
6) Bromomethane	3.46	94	474325	8.458	ppbv	99
7) Chloroethane	3.54	64	307093	8.774	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1995480	8.540	ppbv	100
9) Propene	3.00	41	735824	8.230	ppbv	99
10) Heptane	8.10	43	2023766	8.885	ppbv	99
11) Trichlorofluoromethane	3.93	101	2154867	8.636	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1396525	8.754	ppbv	97
13) Ethanol	3.59	45	67298	6.321	ppbv	96
14) Bromoethene	3.72	108	589453	8.888	ppbv	98
15) Acetone	3.83	43	1264877	8.561	ppbv	99
16) 1,3-Butadiene	3.31	39	896816	8.719	ppbv	99
17) tert-Butyl alcohol	4.28	59	976349m	7.591	ppbv	
18) 1,1-Dichloroethene	4.27	96	589496	8.308	ppbv	91
19) Isopropyl Alcohol	3.95	45	497017	6.115	ppbv	99
20) Methylene Chloride	4.33	84	543512	7.857	ppbv	97
21) Allyl Chloride	4.39	41	967095	8.211	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	560140	8.514	ppbv	91
23) Vinyl Acetate	5.05	43	2187441	8.656	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1617696	8.782	ppbv	100
25) Ethyl Acetate	5.66	43	2916725	8.304	ppbv	99
26) Hexane	5.67	57	1393347	8.548	ppbv	98
27) Carbon Disulfide	4.53	76	1465701	9.128	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1541460	8.019	ppbv	99
29) Chloroform	5.74	83	2252807	8.642	ppbv	98
30) Cyclohexane	7.11	84	1159375	8.770	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1361074	8.633	ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	2255537	8.585	ppbv	100
34) 2-Butanone	5.23	43	1355499	7.834	ppbv	98
35) Carbon Tetrachloride	7.00	117	2366175	8.690	ppbv	98
36) Benzene	6.87	78	2892622	8.848	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1690297	8.784	ppbv	100
38) Trichloroethene	7.82	130	1028075	8.080	ppbv	97
39) 1,2-Dichloropropane	7.59	63	1156527	8.721	ppbv	98
40) 1,4-Dioxane	7.82	88	209437m	6.785	ppbv	
41) Tetrahydrofuran	6.03	42	585653	7.340	ppbv	98
42) Bromodichloromethane	7.77	83	2413892	9.223	ppbv	98
43) Methyl Methacrylate	8.00	69	1103068	10.048	ppbv	97

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44) 2,2,4-Trimethylpentane	7.85	57	4981543	8.657	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	971653	7.751	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1263538	7.885	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	1192553	8.878	ppbv	96
48) Dibromochloromethane	10.28	129	1913943	9.347	ppbv	100
49) Bromoform	13.02	173	1598451	9.688	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2154571	8.605	ppbv	98
51) 2-Hexanone	10.12	43	1126224	8.913	ppbv #	100
52) Tetrachloroethene	11.20	164	982738	8.163	ppbv	96
53) Toluene	9.78	91	3235200	9.292	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1689356	8.905	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1361606	8.869	ppbv #	57
57) Chlorobenzene	12.13	112	2392240	8.283	ppbv	99
58) Ethyl Benzene	12.69	91	4407917	8.926	ppbv	100
59) m/p-Xylene	12.98	91	7562593m	17.558	ppbv	
60) o-Xylene	13.67	91	3594492	8.631	ppbv	99
61) Styrene	13.51	104	1917129	9.150	ppbv	100
62) Isopropylbenzene	14.65	105	4888846	8.717	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2619064	8.244	ppbv	99
64) n-propylbenzene	15.54	120	1290614	9.412	ppbv	98
65) tert-Butylbenzene	16.73	119	4249837	8.739	ppbv	99
66) Benzyl Chloride	16.97	91	489829	9.112	ppbv	100
67) sec-Butylbenzene	17.28	105	6011845	8.758	ppbv	100
69) p-Isopropyltoluene	17.64	119	4951740	9.237	ppbv	100
70) n-Butylbenzene	18.53	91	5153999	9.273	ppbv	99
71) 2-Chlorotoluene	15.43	91	3851583	9.165	ppbv	99
72) 4-Ethyltoluene	15.82	105	4225144	9.259	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	3737836	8.776	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	3918348	8.597	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	2244523	8.749	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2171655	8.525	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2143320	8.888	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1657086	7.672	ppbv	99
79) Naphthalene	22.18	128	2477900	9.317	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	328359	6.261	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	1532993	9.335	ppbv	98

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

