

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036675.D
 Acq On : 3 Apr 2021 11:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 4/5/2021 6:46:48 PM

Quant Time: Apr 05 09:10:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 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	5.64	49	1096357	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2904894	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2688773m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2158407	10.07	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	1323683	7.402 ppbv	99
3) Chlorodifluoromethane	2.97	51	1730843	8.450 ppbv	99
4) Chloromethane	3.12	50	550314	7.606 ppbv	95
5) Vinyl Chloride	3.24	62	560867	7.539 ppbv	99
6) Bromomethane	3.45	94	312656	7.633 ppbv	96
7) Chloroethane	3.54	64	195537	7.649 ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1355781	7.944 ppbv	94
9) Propene	2.99	41	532811	8.159 ppbv	98
10) Heptane	8.10	43	1394252	8.381 ppbv	100
11) Trichlorofluoromethane	3.93	101	1407174	7.722 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	950965	8.162 ppbv	98
13) Ethanol	3.59	45	69702m	8.963 ppbv	
14) Bromoethene	3.72	108	398646	8.230 ppbv	98
15) Acetone	3.83	43	895305	8.297 ppbv	99
16) 1,3-Butadiene	3.31	39	619456	8.246 ppbv	97
17) tert-Butyl alcohol	4.27	59	839925	8.942 ppbv	100
18) 1,1-Dichloroethene	4.27	96	423230	8.166 ppbv	97
19) Isopropyl Alcohol	3.94	45	455188m	7.668 ppbv	
20) Methylene Chloride	4.32	84	368146	7.287 ppbv	90
21) Allyl Chloride	4.39	41	692288	8.048 ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	421421	8.771 ppbv	95
23) Vinyl Acetate	5.05	43	1691959	9.167 ppbv #	98
24) 1,1-Dichloroethane	4.99	63	1086143	8.073 ppbv	98
25) Ethyl Acetate	5.65	43	2118696	8.259 ppbv	99
26) Hexane	5.66	57	1024968	8.609 ppbv	97
27) Carbon Disulfide	4.53	76	947316	8.078 ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1244073	8.861 ppbv	99
29) Chloroform	5.73	83	1519263	7.980 ppbv	98
30) Cyclohexane	7.10	84	821415	8.508 ppbv	96
31) cis-1,2-Dichloroethene	5.52	61	1005743	8.734 ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	1543505	8.044 ppbv	98
34) 2-Butanone	5.22	43	996793	7.030 ppbv	100
35) Carbon Tetrachloride	6.99	117	1619404	7.258 ppbv	98
36) Benzene	6.87	78	2034834	7.595 ppbv	99
37) 1,2-Dichloroethane	6.28	62	1186909	7.527 ppbv	100
38) Trichloroethene	7.81	130	776882	7.451 ppbv	94
39) 1,2-Dichloropropane	7.59	63	810849	7.461 ppbv	97
40) 1,4-Dioxane	7.81	88	162198m	6.413 ppbv	
41) Tetrahydrofuran	6.03	42	480781m	7.354 ppbv	
42) Bromodichloromethane	7.76	83	1629854	7.599 ppbv	97
43) Methyl Methacrylate	7.99	69	795788	8.846 ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3561934	7.554	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	760774	7.406	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	938861	7.150	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	822337	7.471	ppbv	96
48) Dibromochloromethane	10.28	129	1403788	8.366	ppbv	99
49) Bromoform	13.02	173	1177160	8.706	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	1499234	7.307	ppbv	100
51) 2-Hexanone	10.11	43	866811	8.372	ppbv	98
52) Tetrachloroethene	11.20	164	794934	8.058	ppbv	98
53) Toluene	9.78	91	2392077	8.384	ppbv	99
54) 1,2-Dibromoethane	10.58	107	1228612	7.903	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	996703	8.196	ppbv #	53
57) Chlorobenzene	12.12	112	1753550	7.665	ppbv	97
58) Ethyl Benzene	12.69	91	3207551	8.200	ppbv	98
59) m/p-Xylene	12.97	91	5390094m	15.798	ppbv	
60) o-Xylene	13.67	91	2522220	7.645	ppbv	100
61) Styrene	13.50	104	1404178	8.460	ppbv	99
62) Isopropylbenzene	14.64	105	3607623	8.120	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	1716780m	6.822	ppbv	
64) n-propylbenzene	15.54	120	939035	8.645	ppbv	96
65) tert-Butylbenzene	16.72	119	3166303	8.219	ppbv	97
66) Benzyl Chloride	16.97	91	390035	9.160	ppbv	96
67) sec-Butylbenzene	17.27	105	4371504	8.039	ppbv	100
69) p-Isopropyltoluene	17.63	119	3739544	8.806	ppbv	97
70) n-Butylbenzene	18.53	91	3623963	8.231	ppbv	98
71) 2-Chlorotoluene	15.43	91	2715148	8.156	ppbv	99
72) 4-Ethyltoluene	15.82	105	3056447	8.455	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	2741660	8.126	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	2828703	7.834	ppbv	94
75) 1,3-Dichlorobenzene	16.97	146	1680987	8.271	ppbv	98
76) 1,4-Dichlorobenzene	17.11	146	1628384	8.070	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	1641847	8.594	ppbv	97
78) Hexachloro-1,3-Butadiene	23.36	225	1317327	7.700	ppbv	99
79) Naphthalene	22.18	128	1888881m	8.965	ppbv	
80) Naphthalene, 2-methyl-	24.97	142	248192	5.974	ppbv	92
81) 1,2,4-Trichlorobenzene	21.91	180	1196172	9.195	ppbv	99

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

