

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032421\
 Data File : VL036461.D
 Acq On : 24 Mar 2021 9:18
 Operator :
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 25 07:25:29 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 14:18:24 2021
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1658175	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	3958554	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3739555	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3155178	10.26	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	2020835	8.818 ppbv	98
3) Chlorodifluoromethane	2.98	51	1881337	9.593 ppbv	99
4) Chloromethane	3.13	50	915359	9.821 ppbv	98
5) Vinyl Chloride	3.25	62	922473	10.483 ppbv	97
6) Bromomethane	3.47	94	541310	9.922 ppbv	97
7) Chloroethane	3.55	64	315773	9.526 ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	2113673	9.389 ppbv	98
9) Propene	3.00	41	841248	9.843 ppbv	99
10) Heptane	8.11	43	2187511	10.382 ppbv	100
11) Trichlorofluoromethane	3.94	101	2243889	9.482 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1471688	9.751 ppbv	100
13) Ethanol	3.60	45	162869m	12.421 ppbv	
14) Bromoethene	3.73	108	621177	9.913 ppbv	99
15) Acetone	3.84	43	1755062	9.262 ppbv	100
16) 1,3-Butadiene	3.32	39	882195	9.652 ppbv	99
17) tert-Butyl alcohol	4.29	59	1690037	11.248 ppbv	100
18) 1,1-Dichloroethene	4.28	96	636010	9.475 ppbv	94
19) Isopropyl Alcohol	3.96	45	1120366	10.520 ppbv	# 96
20) Methylene Chloride	4.33	84	562383	8.804 ppbv	94
21) Allyl Chloride	4.40	41	1026147	9.604 ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	600260	9.876 ppbv	96
23) Vinyl Acetate	5.06	43	2250605	10.494 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1709924	10.102 ppbv	99
25) Ethyl Acetate	5.67	43	3657038	9.926 ppbv	99
26) Hexane	5.68	57	1489704	9.881 ppbv	99
27) Carbon Disulfide	4.54	76	1632802	10.913 ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	2012908	9.964 ppbv	99
29) Chloroform	5.74	83	2428450	9.846 ppbv	97
30) Cyclohexane	7.12	84	1294182	10.389 ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1495687	10.271 ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2361598	9.529 ppbv	99
34) 2-Butanone	5.24	43	2265527	9.495 ppbv	99
35) Carbon Tetrachloride	7.01	117	2494829	9.754 ppbv	98
36) Benzene	6.88	78	3123831	10.170 ppbv	100
37) 1,2-Dichloroethane	6.30	62	1838205	9.524 ppbv	100
38) Trichloroethene	7.83	130	1121226	9.659 ppbv	99
39) 1,2-Dichloropropane	7.60	63	1260430	9.650 ppbv	97
40) 1,4-Dioxane	7.82	88	423178	9.870 ppbv	# 1
41) Tetrahydrofuran	6.04	42	1373253	10.319 ppbv	99
42) Bromodichloromethane	7.78	83	2553990	9.792 ppbv	98
43) Methyl Methacrylate	8.01	69	1386354	11.144 ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5391889	9.627	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1459409	12.054	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1802026	11.401	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	1275177	9.794	ppbv	99
48) Dibromochloromethane	10.29	129	2142461	10.866	ppbv	100
49) Bromoform	13.03	173	1803882	11.183	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	3619957	10.421	ppbv	99
51) 2-Hexanone	10.12	43	2970135	11.310	ppbv #	99
52) Tetrachloroethene	11.22	164	1065874	9.253	ppbv	98
53) Toluene	9.80	91	3534753	10.685	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1909065	10.156	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1611931	9.727	ppbv #	60
57) Chlorobenzene	12.14	112	2625806	9.722	ppbv	96
58) Ethyl Benzene	12.70	91	4839072	10.415	ppbv	98
59) m/p-Xylene	12.99	91	8266250m	20.121	ppbv	
60) o-Xylene	13.69	91	3920341	9.934	ppbv	99
61) Styrene	13.52	104	2764212	11.518	ppbv	100
62) Isopropylbenzene	14.66	105	5801373	9.749	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2812737	9.116	ppbv	100
64) n-propylbenzene	15.55	120	1534827	10.326	ppbv	99
65) tert-Butylbenzene	16.74	119	5045039	9.745	ppbv	99
66) Benzyl Chloride	16.98	91	1810536	12.527	ppbv	99
67) sec-Butylbenzene	17.29	105	7102606	9.824	ppbv	100
69) p-Isopropyltoluene	17.64	119	5871321	10.150	ppbv	100
70) n-Butylbenzene	18.54	91	6045260	10.110	ppbv	100
71) 2-Chlorotoluene	15.45	91	4534408	10.130	ppbv	99
72) 4-Ethyltoluene	15.83	105	4492940	10.482	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4272724	10.274	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4371251	9.900	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	2447578	9.982	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2344122	9.567	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2370867	9.875	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1651381	8.643	ppbv	99
79) Naphthalene	22.19	128	3097685	11.977	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	1048115	18.742	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1650493	11.102	ppbv	98

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

