

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032421\
 Data File : VL036468.D
 Acq On : 24 Mar 2021 16:36
 Operator :
 Sample : VL0324ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :

Quant Time: Mar 25 07:40:37 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	1604151	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3928281	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.09	117	3755195m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3020877	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1682549	7.589 ppbv	98
3) Chlorodifluoromethane	2.98	51	1832563	9.659 ppbv	100
4) Chloromethane	3.13	50	885666	9.823 ppbv	95
5) Vinyl Chloride	3.25	62	911298	10.705 ppbv	99
6) Bromomethane	3.47	94	503540	9.541 ppbv	95
7) Chloroethane	3.55	64	323519	10.088 ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	1972707	9.058 ppbv	94
9) Propene	3.00	41	878510	10.626 ppbv	98
10) Heptane	8.12	43	2180014	10.695 ppbv	100
11) Trichlorofluoromethane	3.94	101	2232675	9.752 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1423296	9.748 ppbv	96
13) Ethanol	3.60	45	184252m	14.524 ppbv	
14) Bromoethene	3.73	108	639810	10.554 ppbv	98
15) Acetone	3.84	43	1703431	9.292 ppbv	98
16) 1,3-Butadiene	3.32	39	907808	10.267 ppbv	99
17) tert-Butyl alcohol	4.28	59	1832855	12.609 ppbv	99
18) 1,1-Dichloroethene	4.28	96	649747	10.006 ppbv	93
19) Isopropyl Alcohol	3.96	45	1262063	12.250 ppbv	99
20) Methylene Chloride	4.34	84	575673	9.316 ppbv	99
21) Allyl Chloride	4.40	41	1113990	10.777 ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	633310	10.771 ppbv	96
23) Vinyl Acetate	5.07	43	2305023	11.110 ppbv	99
24) 1,1-Dichloroethane	5.01	63	1681411	10.268 ppbv	100
25) Ethyl Acetate	5.67	43	3728525	10.461 ppbv	99
26) Hexane	5.68	57	1505107	10.320 ppbv	99
27) Carbon Disulfide	4.54	76	1659350	11.464 ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	2118554	10.840 ppbv	100
29) Chloroform	5.75	83	2367956	9.924 ppbv	100
30) Cyclohexane	7.13	84	1268971	10.530 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1556808	11.051 ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	2356343	9.828 ppbv	99
34) 2-Butanone	5.24	43	2388512	10.087 ppbv	99
35) Carbon Tetrachloride	7.01	117	2426252	9.559 ppbv	98
36) Benzene	6.89	78	3185663	10.451 ppbv	98
37) 1,2-Dichloroethane	6.30	62	1848763	9.652 ppbv	99
38) Trichloroethene	7.83	130	1149675	9.980 ppbv	98
39) 1,2-Dichloropropane	7.61	63	1272635	9.818 ppbv	94
40) 1,4-Dioxane	7.83	88	449996	10.576 ppbv	82
41) Tetrahydrofuran	6.04	42	1475028	11.169 ppbv	99
42) Bromodichloromethane	7.79	83	2525228	9.756 ppbv	98
43) Methyl Methacrylate	8.01	69	1415438	11.466 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5379986	9.680	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1520943	12.659	ppbv	95
46) cis-1,3-Dichloropropene	8.70	75	1853516	11.817	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1287657	9.966	ppbv	95
48) Dibromochloromethane	10.30	129	2175134	11.117	ppbv	100
49) Bromoform	13.04	173	1805721	11.281	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	3661514	10.621	ppbv	99
51) 2-Hexanone	10.13	43	2985283	11.455	ppbv #	99
52) Tetrachloroethene	11.22	164	1101202	9.633	ppbv	96
53) Toluene	9.80	91	3554153	10.826	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1934940	10.373	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1605567	9.648	ppbv	97
57) Chlorobenzene	12.15	112	2590268	9.550	ppbv	96
58) Ethyl Benzene	12.71	91	4782171	10.249	ppbv	100
59) m/p-Xylene	12.99	91	8080340m	19.587	ppbv	
60) o-Xylene	13.69	91	3777412	9.531	ppbv	98
61) Styrene	13.53	104	2763356	11.466	ppbv	100
62) Isopropylbenzene	14.67	105	5730644	9.590	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2637534	8.512	ppbv	99
64) n-propylbenzene	15.56	120	1515754	10.155	ppbv	97
65) tert-Butylbenzene	16.75	119	4935576	9.494	ppbv	100
66) Benzyl Chloride	16.99	91	1809424	12.467	ppbv	99
67) sec-Butylbenzene	17.29	105	6913823	9.523	ppbv	100
69) p-Isopropyltoluene	17.65	119	5703520	9.818	ppbv	99
70) n-Butylbenzene	18.55	91	5836588	9.720	ppbv	99
71) 2-Chlorotoluene	15.45	91	4428950	9.853	ppbv	99
72) 4-Ethyltoluene	15.84	105	4379164	10.174	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4160570	9.963	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4234915	9.551	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2375974	9.649	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2361907	9.599	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2291684	9.506	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1689683	8.807	ppbv	99
79) Naphthalene	22.20	128	3170159	12.206	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1285664	22.894	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	1700681	11.392	ppbv	95

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

