

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037455.D
 Acq On : 16 Aug 2021 10:27
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:58:53 PM

Quant Time: Aug 16 11:30:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 16 11:30:59 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1585666	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4742489	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	4154948	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3055545	10.25	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2165835	8.940	ppbv	96
3) Chlorodifluoromethane	2.98	51	2694283	8.653	ppbv	98
4) Chloromethane	3.13	50	1042201	9.311	ppbv	95
5) Vinyl Chloride	3.25	62	992929	8.051	ppbv	97
6) Bromomethane	3.47	94	554219	8.666	ppbv	97
7) Chloroethane	3.55	64	350573	8.609	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2335151	8.637	ppbv	100
9) Propene	3.00	41	976612	9.340	ppbv	100
10) Heptane	8.10	43	2371719	9.328	ppbv	99
11) Trichlorofluoromethane	3.94	101	2119063	8.084	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1519915	8.277	ppbv	96
13) Ethanol	3.60	45	116267m	10.419	ppbv	
14) Bromoethene	3.73	108	741005	9.072	ppbv	98
15) Acetone	3.84	43	1266342	7.530	ppbv	99
16) 1,3-Butadiene	3.32	39	970736	8.601	ppbv	97
17) tert-Butyl alcohol	4.27	59	1470076	9.159	ppbv	99
18) 1,1-Dichloroethene	4.28	96	716521	8.404	ppbv	94
19) Isopropyl Alcohol	3.95	45	915535m	9.355	ppbv	
20) Methylene Chloride	4.33	84	642407m	7.225	ppbv	
21) Allyl Chloride	4.40	41	1235453m	9.376	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	708048	8.854	ppbv	96
23) Vinyl Acetate	5.06	43	2389882	9.262	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1579958	7.883	ppbv	100
25) Ethyl Acetate	5.66	43	3787402	9.450	ppbv	99
26) Hexane	5.67	57	1778353	8.598	ppbv	98
27) Carbon Disulfide	4.54	76	1792584m	10.280	ppbv	
28) Methyl tert-Butyl Ether	5.02	73	1864114	8.422	ppbv	99
29) Chloroform	5.74	83	2567952	8.819	ppbv	100
30) Cyclohexane	7.11	84	1542518	9.056	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1741364	9.741	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2561058	8.715	ppbv	99
34) 2-Butanone	5.23	43	1799686m	9.192	ppbv	
35) Carbon Tetrachloride	7.00	117	2643134	9.038	ppbv	100
36) Benzene	6.87	78	3724779	9.314	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1846840	9.050	ppbv	98
38) Trichloroethene	7.82	130	1438400	8.149	ppbv	97
39) 1,2-Dichloropropane	7.59	63	1430696	9.392	ppbv	99
40) 1,4-Dioxane	7.82	88	371078m	10.010	ppbv	
41) Tetrahydrofuran	6.03	42	905611m	10.072	ppbv	
42) Bromodichloromethane	7.77	83	2808787	9.829	ppbv	99
43) Methyl Methacrylate	8.00	69	1363364	10.059	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	6125466	9.162	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1188475	11.800	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1528328	10.870	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1511782	9.180	ppbv	97
48) Dibromochloromethane	10.28	129	2441622	10.276	ppbv	99
49) Bromoform	13.02	173	1979127	10.993	ppbv	96
50) 4-Methyl-2-Pentanone	8.72	43	2432555	9.876	ppbv	100
51) 2-Hexanone	10.11	43	1140764	9.844	ppbv #	98
52) Tetrachloroethene	11.20	164	1403146	8.329	ppbv	98
53) Toluene	9.78	91	4371063	9.574	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2201369	9.822	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.10	131	1631951	9.866	ppbv	97
57) Chlorobenzene	12.13	112	3158234	9.379	ppbv	97
58) Ethyl Benzene	12.69	91	5474973	9.714	ppbv	98
59) m/p-Xylene	12.97	91	9439020m	19.064	ppbv	
60) o-Xylene	13.67	91	4326227	9.406	ppbv	99
61) Styrene	13.51	104	2526817	10.874	ppbv	99
62) Isopropylbenzene	14.65	105	6095299	9.266	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3150657	9.083	ppbv	99
64) n-propylbenzene	15.54	120	1639816	9.907	ppbv	93
65) tert-Butylbenzene	16.73	119	5490426	9.256	ppbv	99
66) Benzyl Chloride	16.97	91	311359	11.471	ppbv	96
67) sec-Butylbenzene	17.27	105	7632493	9.456	ppbv	100
69) p-Isopropyltoluene	17.63	119	6433184	9.711	ppbv	99
70) n-Butylbenzene	18.53	91	6351870	10.316	ppbv	100
71) 2-Chlorotoluene	15.43	91	4530521	9.738	ppbv	99
72) 4-Ethyltoluene	15.82	105	5356273	10.032	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	4824497	9.558	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	5040472	9.754	ppbv #	90
75) 1,3-Dichlorobenzene	16.97	146	3022035	9.555	ppbv	98
76) 1,4-Dichlorobenzene	17.11	146	3133951m	9.995	ppbv	
77) 1,2-Dichlorobenzene	17.79	146	3015168	9.909	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2284455	9.268	ppbv	99
79) Naphthalene	22.16	128	3973118	14.146	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	1368464	23.068	ppbv	94
81) 1,2,4-Trichlorobenzene	21.90	180	2333585	12.228	ppbv	99

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

