

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037019.D
 Acq On : 20 May 2021 9:26
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:23:34 PM

Quant Time: May 21 01:43:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1267302	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	3759436	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	3622749m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	2663523	9.79	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1828142	8.503	ppbv	99
3) Chlorodifluoromethane	2.96	51	2110435	9.090	ppbv	99
4) Chloromethane	3.12	50	722150	9.141	ppbv	97
5) Vinyl Chloride	3.23	62	792153	9.173	ppbv	100
6) Bromomethane	3.45	94	438645	9.639	ppbv	99
7) Chloroethane	3.53	64	282731	10.083	ppbv	97
8) Dichlorotetrafluoroethane	3.16	85	1929607	9.559	ppbv	98
9) Propene	2.99	41	720279	8.664	ppbv	100
10) Heptane	8.09	43	1815269	8.761	ppbv	100
11) Trichlorofluoromethane	3.92	101	1971082	9.905	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1389944	9.806	ppbv	98
13) Ethanol	3.59	45	83720m	7.547	ppbv	
14) Bromoethene	3.71	108	598838	9.592	ppbv	98
15) Acetone	3.83	43	1017275	7.837	ppbv	97
16) 1,3-Butadiene	3.30	39	773678	9.594	ppbv	98
17) tert-Butyl alcohol	4.27	59	943855	7.938	ppbv	98
18) 1,1-Dichloroethene	4.26	96	632714	9.653	ppbv	96
19) Isopropyl Alcohol	3.94	45	576161	8.257	ppbv #	35
20) Methylene Chloride	4.31	84	529801	7.614	ppbv	98
21) Allyl Chloride	4.38	41	910889	9.302	ppbv	98
22) trans-1,2-Dichloroethene	4.85	96	627901	9.996	ppbv	97
23) Vinyl Acetate	5.04	43	1864457	9.049	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1385373	9.342	ppbv	100
25) Ethyl Acetate	5.65	43	2806162	8.996	ppbv	99
26) Hexane	5.65	57	1369803	8.596	ppbv	99
27) Carbon Disulfide	4.52	76	1443462	8.988	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1662616	8.705	ppbv	100
29) Chloroform	5.72	83	2098099	9.320	ppbv	98
30) Cyclohexane	7.09	84	1201836	8.875	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	1357937	9.505	ppbv	98
32) 1,1,1-Trichloroethane	6.48	97	2126045	8.795	ppbv	98
34) 2-Butanone	5.21	43	1295313	9.462	ppbv	100
35) Carbon Tetrachloride	6.99	117	2207425	8.837	ppbv	99
36) Benzene	6.86	78	2839442	8.769	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1541249	9.600	ppbv	99
38) Trichloroethene	7.80	130	1159074	8.367	ppbv	98
39) 1,2-Dichloropropane	7.58	63	1093718	8.768	ppbv	98
40) 1,4-Dioxane	7.80	88	226803	7.700	ppbv #	100
41) Tetrahydrofuran	6.02	42	648311	8.315	ppbv	96
42) Bromodichloromethane	7.76	83	2246394	9.249	ppbv	100
43) Methyl Methacrylate	7.98	69	1024829	9.182	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	4712360	8.482	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	781314	9.163	ppbv	99
46) cis-1,3-Dichloropropene	8.66	75	1016671	8.864	ppbv	98
47) 1,1,2-Trichloroethane	9.44	97	1178468	9.026	ppbv	97
48) Dibromochloromethane	10.27	129	2033834	9.621	ppbv	99
49) Bromoform	13.00	173	1691686	9.690	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	2048143	9.067	ppbv	99
51) 2-Hexanone	10.10	43	1116575	9.350	ppbv #	96
52) Tetrachloroethene	11.19	164	1137105	8.831	ppbv	98
53) Toluene	9.77	91	3395208	8.812	ppbv	98
54) 1,2-Dibromoethane	10.57	107	1736674	9.356	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.09	131	1380374	9.056	ppbv #	55
57) Chlorobenzene	12.11	112	2533780	9.020	ppbv	99
58) Ethyl Benzene	12.67	91	4505950	8.812	ppbv	99
59) m/p-Xylene	12.96	91	7499557m	17.744	ppbv	
60) o-Xylene	13.65	91	3551646	8.811	ppbv	99
61) Styrene	13.49	104	2125668	9.360	ppbv	99
62) Isopropylbenzene	14.63	105	5052684	8.722	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.64	83	2426962	8.062	ppbv	99
64) n-propylbenzene	15.52	120	1375482	9.203	ppbv	98
65) tert-Butylbenzene	16.71	119	4609194	8.817	ppbv	99
66) Benzyl Chloride	16.95	91	167588	5.778	ppbv	97
67) sec-Butylbenzene	17.26	105	6266050	8.787	ppbv	100
69) p-Isopropyltoluene	17.62	119	5487183	8.949	ppbv	99
70) n-Butylbenzene	18.51	91	5374289	9.227	ppbv	99
71) 2-Chlorotoluene	15.41	91	3731728	8.919	ppbv	99
72) 4-Ethyltoluene	15.80	105	4458878	9.320	ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	4075191	9.071	ppbv	100
74) 1,2,4-Trimethylbenzene	16.73	105	4211919	9.067	ppbv	99
75) 1,3-Dichlorobenzene	16.96	146	2581898	9.102	ppbv	100
76) 1,4-Dichlorobenzene	17.10	146	2558255	8.920	ppbv	99
77) 1,2-Dichlorobenzene	17.78	146	2563389	9.019	ppbv	100
78) Hexachloro-1,3-Butadiene	23.34	225	1843270	8.065	ppbv	100
79) Naphthalene	22.15	128	3719639	10.205	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	806751	10.179	ppbv	98
81) 1,2,4-Trichlorobenzene	21.89	180	2110296	9.498	ppbv	99

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

