

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037098.D
 Acq On : 2 Jun 2021 11:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 3:00:25 PM

Quant Time: Jun 03 03:28:55 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	5.65	49	1436967	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4321708	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4038498m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3184872	10.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1893972	7.769	ppbv	99
3) Chlorodifluoromethane	2.97	51	2614843	9.933	ppbv	96
4) Chloromethane	3.12	50	897538	10.019	ppbv	96
5) Vinyl Chloride	3.24	62	965423	9.859	ppbv	99
6) Bromomethane	3.46	94	540839	10.482	ppbv	98
7) Chloroethane	3.55	64	350691	11.030	ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	2364954	10.333	ppbv	96
9) Propene	3.00	41	837295	8.882	ppbv	99
10) Heptane	8.10	43	2138279	9.102	ppbv	99
11) Trichlorofluoromethane	3.93	101	2577398	11.423	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1745539	10.861	ppbv	94
13) Ethanol	3.60	45	104215m	8.286	ppbv	
14) Bromoethene	3.72	108	768077	10.850	ppbv	99
15) Acetone	3.84	43	1305957	8.873	ppbv	95
16) 1,3-Butadiene	3.31	39	932220	10.195	ppbv	98
17) tert-Butyl alcohol	4.28	59	1247588	9.254	ppbv	99
18) 1,1-Dichloroethene	4.27	96	794144	10.686	ppbv	96
19) Isopropyl Alcohol	3.95	45	741393	9.371	ppbv #	37
20) Methylene Chloride	4.33	84	676818	8.579	ppbv	99
21) Allyl Chloride	4.39	41	1106237	9.963	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	800137	11.234	ppbv	99
23) Vinyl Acetate	5.06	43	2169211	9.285	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1632944	9.711	ppbv	99
25) Ethyl Acetate	5.66	43	3289543	9.301	ppbv	100
26) Hexane	5.67	57	1624882	8.993	ppbv	98
27) Carbon Disulfide	4.53	76	1745826	9.587	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1902724	8.786	ppbv	98
29) Chloroform	5.74	83	2639020	10.339	ppbv	96
30) Cyclohexane	7.11	84	1427150	9.295	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1612687	9.955	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2768725	10.101	ppbv	99
34) 2-Butanone	5.23	43	1526105	9.698	ppbv	100
35) Carbon Tetrachloride	7.00	117	2975925	10.364	ppbv	98
36) Benzene	6.87	78	3367946	9.047	ppbv	98
37) 1,2-Dichloroethane	6.29	62	2000870	10.841	ppbv	99
38) Trichloroethene	7.82	130	1444881	9.073	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1285952	8.968	ppbv	95
40) 1,4-Dioxane	7.82	88	290270	8.573	ppbv #	100
41) Tetrahydrofuran	6.03	42	748450	8.351	ppbv	96
42) Bromodichloromethane	7.77	83	2842079	10.179	ppbv	99
43) Methyl Methacrylate	8.00	69	1207015	9.408	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5570481	8.722	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	971450	9.911	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1237693	9.388	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1449273	9.656	ppbv	97
48) Dibromochloromethane	10.28	129	2591144	10.662	ppbv	100
49) Bromoform	13.02	173	2157547	10.750	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2397508	9.233	ppbv	99
51) 2-Hexanone	10.12	43	1275735	9.293	ppbv #	97
52) Tetrachloroethene	11.20	164	1400509	9.461	ppbv	98
53) Toluene	9.78	91	4052575	9.149	ppbv	98
54) 1,2-Dibromoethane	10.59	107	2165257	10.147	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1775901	10.451	ppbv #	56
57) Chlorobenzene	12.13	112	3097430	9.892	ppbv	97
58) Ethyl Benzene	12.69	91	5440182	9.544	ppbv	98
59) m/p-Xylene	12.98	91	9203006m	19.533	ppbv	
60) o-Xylene	13.67	91	4393874	9.778	ppbv	99
61) Styrene	13.51	104	2569044	10.148	ppbv	99
62) Isopropylbenzene	14.64	105	6211243	9.618	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2987106	8.901	ppbv	99
64) n-propylbenzene	15.55	120	1703701	10.225	ppbv	99
65) tert-Butylbenzene	16.73	119	5724640	9.824	ppbv	99
66) Benzyl Chloride	16.97	91	263373	8.146	ppbv	96
67) sec-Butylbenzene	17.27	105	7665597	9.643	ppbv	99
69) p-Isopropyltoluene	17.63	119	6813486	9.968	ppbv	99
70) n-Butylbenzene	18.53	91	6603770	10.170	ppbv	99
71) 2-Chlorotoluene	15.43	91	4566909	9.791	ppbv	99
72) 4-Ethyltoluene	15.82	105	5469993	10.256	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	5040132	10.064	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	5263744	10.165	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	3279847	10.372	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3211896	10.046	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	3198115	10.093	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2320287	9.107	ppbv	100
79) Naphthalene	22.17	128	4577555	11.266	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1023200	11.581	ppbv	93
81) 1,2,4-Trichlorobenzene	21.90	180	2603543	10.511	ppbv	100

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

