

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052521\
 Data File : VL037062.D
 Acq On : 25 May 2021 15:54
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:31:36 AM

Quant Time: May 26 01:38:33 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	1395771	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4184448	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4103985m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3088598	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	2292723	9.683	ppbv	99
3) Chlorodifluoromethane	2.97	51	2506728	9.803	ppbv	96
4) Chloromethane	3.12	50	831554	9.557	ppbv	99
5) Vinyl Chloride	3.24	62	903586	9.500	ppbv	99
6) Bromomethane	3.46	94	504175	10.060	ppbv	98
7) Chloroethane	3.54	64	307915	9.970	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2280858	10.259	ppbv	98
9) Propene	2.99	41	805679	8.799	ppbv	100
10) Heptane	8.10	43	2030734	8.899	ppbv	100
11) Trichlorofluoromethane	3.93	101	2251015	10.271	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1582822	10.139	ppbv	99
13) Ethanol	3.60	45	105129m	8.605	ppbv	
14) Bromoethene	3.72	108	672873	9.785	ppbv	98
15) Acetone	3.83	43	1119856	7.833	ppbv	97
16) 1,3-Butadiene	3.31	39	876997	9.874	ppbv	97
17) tert-Butyl alcohol	4.27	59	1318859	10.071	ppbv	98
18) 1,1-Dichloroethene	4.27	96	721628	9.996	ppbv	97
19) Isopropyl Alcohol	3.95	45	793832	10.330	ppbv #	33
20) Methylene Chloride	4.33	84	597316	7.794	ppbv	99
21) Allyl Chloride	4.39	41	1039252	9.636	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	720916	10.420	ppbv	99
23) Vinyl Acetate	5.06	43	1651840	7.279	ppbv #	97
24) 1,1-Dichloroethane	4.99	63	1432401	8.770	ppbv	98
25) Ethyl Acetate	5.66	43	3180383	9.258	ppbv	100
26) Hexane	5.67	57	1528169	8.708	ppbv	97
27) Carbon Disulfide	4.53	76	1688697	9.547	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1515786	7.205	ppbv	100
29) Chloroform	5.74	83	2528568	10.198	ppbv	100
30) Cyclohexane	7.11	84	1388970	9.313	ppbv	96
31) cis-1,2-Dichloroethene	5.53	61	1546993	9.832	ppbv	94
32) 1,1,1-Trichloroethane	6.49	97	2630618	9.881	ppbv	99
34) 2-Butanone	5.23	43	1457093	9.563	ppbv	99
35) Carbon Tetrachloride	7.00	117	2836728	10.203	ppbv	99
36) Benzene	6.87	78	3253317	9.026	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1930015	10.801	ppbv	99
38) Trichloroethene	7.82	130	1450807	9.409	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1241641	8.943	ppbv	97
40) 1,4-Dioxane	7.82	88	351021	10.707	ppbv #	100
41) Tetrahydrofuran	6.03	42	751183	8.656	ppbv	99
42) Bromodichloromethane	7.77	83	2730602	10.101	ppbv	99
43) Methyl Methacrylate	8.00	69	1190297	9.582	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5265590	8.515	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	1098653	11.576	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1438296	11.267	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1398695	9.625	ppbv	97
48) Dibromochloromethane	10.29	129	2549008	10.833	ppbv	100
49) Bromoform	13.03	173	2111100	10.864	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2294760	9.127	ppbv	98
51) 2-Hexanone	10.12	43	1198010	9.013	ppbv #	94
52) Tetrachloroethene	11.21	164	1360881	9.495	ppbv	96
53) Toluene	9.79	91	3940204	9.187	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2115942	10.242	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1715351	9.934	ppbv #	56
57) Chlorobenzene	12.13	112	3035321	9.539	ppbv	99
58) Ethyl Benzene	12.70	91	5268324	9.095	ppbv	98
59) m/p-Xylene	12.98	91	8916995m	18.624	ppbv	
60) o-Xylene	13.68	91	4243793	9.294	ppbv	99
61) Styrene	13.52	104	2516974	9.784	ppbv	99
62) Isopropylbenzene	14.65	105	5957160	9.077	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2868965	8.412	ppbv	99
64) n-propylbenzene	15.55	120	1590590	9.394	ppbv	98
65) tert-Butylbenzene	16.73	119	5397440	9.114	ppbv	99
66) Benzyl Chloride	16.97	91	217868	6.631	ppbv	96
67) sec-Butylbenzene	17.28	105	7174642	8.881	ppbv	99
69) p-Isopropyltoluene	17.64	119	6236154	8.978	ppbv	99
70) n-Butylbenzene	18.54	91	5879486	8.911	ppbv	99
71) 2-Chlorotoluene	15.44	91	4367983	9.215	ppbv	98
72) 4-Ethyltoluene	15.83	105	5214022	9.620	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4691044	9.217	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	4880963	9.275	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	3021901	9.404	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2951099	9.083	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2902349	9.014	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1864086	7.200	ppbv	100
79) Naphthalene	22.18	128	3673162	8.896	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1155360	12.868	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	2140951	8.506	ppbv	96

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

