

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
 Data File : VL037375.D
 Acq On : 11 Aug 2021 2:24
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

apatel
 8/12/2021 10:16:32 AM

Quant Time: Aug 11 04:22:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 11 04:22:54 2021
 QLast Update : Wed Aug 11 03:21:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1284517	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3884110	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3511838m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2675147	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1703547	7.779	ppbv	100
3) Chlorodifluoromethane	2.99	51	2125160	8.576	ppbv	100
4) Chloromethane	3.14	50	777472	9.329	ppbv	100
5) Vinyl Chloride	3.26	62	817903	8.970	ppbv	100
6) Bromomethane	3.47	94	438923	8.265	ppbv	100
7) Chloroethane	3.56	64	268856	8.213	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	1860737	8.261	ppbv	100
9) Propene	3.01	41	725096	9.076	ppbv	100
10) Heptane	8.12	43	1869986	9.626	ppbv	99
11) Trichlorofluoromethane	3.95	101	1776129	7.706	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1222951	7.561	ppbv	100
13) Ethanol	3.62	45	93822m	7.702	ppbv	
14) Bromoethene	3.74	108	597616	8.688	ppbv	100
15) Acetone	3.85	43	982681	6.862	ppbv	97
16) 1,3-Butadiene	3.33	39	787424	9.253	ppbv	100
17) tert-Butyl alcohol	4.29	59	1088296	8.477	ppbv	98
18) 1,1-Dichloroethene	4.29	96	567440	7.880	ppbv	100
19) Isopropyl Alcohol	3.96	45	659957	7.802	ppbv	100
20) Methylene Chloride	4.34	84	513872	6.024	ppbv	100
21) Allyl Chloride	4.41	41	923103	8.602	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	559092	7.853	ppbv	100
23) Vinyl Acetate	5.07	43	1936899	9.336	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1450640	8.809	ppbv	100
25) Ethyl Acetate	5.67	43	2934163	9.315	ppbv	100
26) Hexane	5.68	57	1379086	8.697	ppbv	100
27) Carbon Disulfide	4.55	76	1373904	9.139	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1617415	8.669	ppbv	100
29) Chloroform	5.75	83	2070837	8.569	ppbv	100
30) Cyclohexane	7.12	84	1207761	9.144	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1352742	9.305	ppbv	100
32) 1,1,1-Trichloroethane	6.51	97	2013767	7.825	ppbv	100
34) 2-Butanone	5.24	43	1259340	8.432	ppbv	100
35) Carbon Tetrachloride	7.01	117	2102138	8.279	ppbv	100
36) Benzene	6.89	78	2928418	9.345	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1495280	8.413	ppbv	100
38) Trichloroethene	7.83	130	1150672	7.783	ppbv	100
39) 1,2-Dichloropropane	7.61	63	1105724	9.532	ppbv	100
40) 1,4-Dioxane	7.83	88	267269	8.375	ppbv #	100
41) Tetrahydrofuran	6.05	42	660214	9.458	ppbv	100
42) Bromodichloromethane	7.79	83	2181760	8.900	ppbv	100
43) Methyl Methacrylate	8.01	69	1060820	9.837	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4847173	9.168	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	927233	10.116	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1177441	9.345	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1200902	9.089	ppbv	100
48) Dibromochloromethane	10.30	129	1934399	9.474	ppbv	100
49) Bromoform	13.03	173	1555252	10.218	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	1904263	9.316	ppbv	100
51) 2-Hexanone	10.13	43	878907	8.969	ppbv	100
52) Tetrachloroethene	11.22	164	1092468	7.589	ppbv	100
53) Toluene	9.80	91	3461392	9.266	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1759713	9.295	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1295653	8.649	ppbv	99
57) Chlorobenzene	12.14	112	2499884	8.851	ppbv	100
58) Ethyl Benzene	12.70	91	4515672	9.365	ppbv	100
59) m/p-Xylene	12.99	91	7509298m	18.361	ppbv	
60) o-Xylene	13.69	91	3485730	8.994	ppbv	100
61) Styrene	13.52	104	1962424	9.899	ppbv	100
62) Isopropylbenzene	14.66	105	4924274	8.911	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2509775	9.575	ppbv	100
64) n-propylbenzene	15.55	120	1275449	9.291	ppbv	100
65) tert-Butylbenzene	16.73	119	4349483	8.888	ppbv	100
66) Benzyl Chloride	16.97	91	229523m	10.635	ppbv	
67) sec-Butylbenzene	17.29	105	6119289	9.282	ppbv	100
69) p-Isopropyltoluene	17.64	119	5079374	9.195	ppbv	100
70) n-Butylbenzene	18.54	91	4946532	9.613	ppbv	100
71) 2-Chlorotoluene	15.44	91	3608341	9.313	ppbv	100
72) 4-Ethyltoluene	15.83	105	4240839	9.582	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	3827037	8.958	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	3968575	9.030	ppbv	100
75) 1,3-Dichlorobenzene	16.99	146	2421467	9.059	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2310626	8.651	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2288924	8.848	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1658602	7.507	ppbv	100
79) Naphthalene	22.18	128	2851721	8.157	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	522869	6.236	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	1732011	8.405	ppbv	98

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

