

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092721\
 Data File : VL037672.D
 Acq On : 27 Sep 2021 9:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 10/1/2021 1:56:53 PM

Quant Time: Sep 28 09:16:52 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1720418	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	5155901	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.08	117	4509953m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3356598	10.30	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.05	85	2205933m	7.086	ppbv
3) Chlorodifluoromethane	2.99	51	2859669	8.812	ppbv 100
4) Chloromethane	3.14	50	1058491	8.828	ppbv 96
5) Vinyl Chloride	3.26	62	1034248	9.184	ppbv 99
6) Bromomethane	3.47	94	561977	8.586	ppbv 90
7) Chloroethane	3.56	64	368901	8.765	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	2450961	9.126	ppbv 100
9) Propene	3.01	41	1019057	8.903	ppbv 98
10) Heptane	8.12	43	2570349	9.623	ppbv 99
11) Trichlorofluoromethane	3.95	101	2270183	9.083	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1693771	9.181	ppbv 98
13) Ethanol	3.61	45	103935m	9.283	ppbv
14) Bromoethene	3.74	108	763865	9.096	ppbv 99
15) Acetone	3.85	43	1290919	7.222	ppbv 95
16) 1,3-Butadiene	3.33	39	1021197	9.143	ppbv 98
17) tert-Butyl alcohol	4.28	59	1465393	9.668	ppbv 100
18) 1,1-Dichloroethene	4.29	96	747170	8.694	ppbv 97
19) Isopropyl Alcohol	3.96	45	926395	9.525	ppbv # 98
20) Methylene Chloride	4.34	84	667551	7.823	ppbv 96
21) Allyl Chloride	4.41	41	1239478	9.282	ppbv 97
22) trans-1,2-Dichloroethene	4.88	96	802872	9.285	ppbv 98
23) Vinyl Acetate	5.07	43	2235743	9.039	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1578270	8.907	ppbv # 97
25) Ethyl Acetate	5.68	43	4034328	9.319	ppbv 100
26) Hexane	5.68	57	1931780	9.393	ppbv 99
27) Carbon Disulfide	4.55	76	1890183	10.047	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	1595392	8.808	ppbv 99
29) Chloroform	5.75	83	2728886	9.087	ppbv 99
30) Cyclohexane	7.13	84	1620324	9.212	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1799989	9.641	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	2628108	9.400	ppbv 100
34) 2-Butanone	5.24	43	1812822	8.652	ppbv 100
35) Carbon Tetrachloride	7.02	117	2713005	9.302	ppbv 99
36) Benzene	6.89	78	3969790	9.234	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1924263	9.100	ppbv 99
38) Trichloroethene	7.83	130	1580364	8.800	ppbv 98
39) 1,2-Dichloropropane	7.61	63	1504385	9.136	ppbv 97
40) 1,4-Dioxane	7.83	88	371419m	9.272	ppbv
41) Tetrahydrofuran	6.05	42	972441	9.873	ppbv 98
42) Bromodichloromethane	7.79	83	2864495	9.452	ppbv 99
43) Methyl Methacrylate	8.01	69	1416931	9.907	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6603738	9.137	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1073893	9.559	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1444544	9.519	ppbv	95
47) 1,1,2-Trichloroethane	9.47	97	1617798	8.881	ppbv	97
48) Dibromochloromethane	10.30	129	2513990	9.893	ppbv	97
49) Bromoform	13.04	173	2039916	10.030	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	2610645	9.817	ppbv	99
51) 2-Hexanone	10.13	43	1237018	10.543	ppbv #	99
52) Tetrachloroethene	11.22	164	1446061	8.761	ppbv	99
53) Toluene	9.80	91	4588455	9.602	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2254756	9.040	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1751501	9.363	ppbv #	50
57) Chlorobenzene	12.14	112	3354748	8.947	ppbv	99
58) Ethyl Benzene	12.71	91	5749336	9.603	ppbv	99
59) m/p-Xylene	12.99	91	9784134m	18.754	ppbv	
60) o-Xylene	13.69	91	4547251	9.157	ppbv	98
61) Styrene	13.52	104	2482531	10.139	ppbv	97
62) Isopropylbenzene	14.66	105	6274041	9.044	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	3268848	8.411	ppbv	98
64) n-propylbenzene	15.56	120	1701796	9.507	ppbv	87
65) tert-Butylbenzene	16.74	119	5628107	8.999	ppbv	100
66) Benzyl Chloride	16.98	91	306026	8.954	ppbv	98
67) sec-Butylbenzene	17.29	105	7787842	9.178	ppbv	99
69) p-Isopropyltoluene	17.64	119	6476746	9.342	ppbv	100
70) n-Butylbenzene	18.54	91	6311804	9.623	ppbv	99
71) 2-Chlorotoluene	15.45	91	4676667	9.407	ppbv	99
72) 4-Ethyltoluene	15.83	105	5582246	9.793	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	5007513	9.425	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	5093990	9.102	ppbv	96
75) 1,3-Dichlorobenzene	16.99	146	3117624	8.966	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2979190	8.687	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2961368	8.980	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2154741	7.763	ppbv	99
79) Naphthalene	22.18	128	3606024	10.494	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	901929	11.484	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	2166257	9.819	ppbv	100

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

