

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021422\
 Data File : VL038338.D
 Acq On : 14 Feb 2022 12:32
 Operator : SY/AP
 Sample : VL0214ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0214ABS01

Quant Time: Feb 15 00:40:00 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 2022

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/15/2022
 Supervised By : Mahesh Dadoda 02/18/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.658	49	887548	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.163	114	2399284	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.069	117	2267023m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.400 95 1785406 10.376 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.047	85	1277185	6.760	ppbv	97
3) Chlorodifluoromethane	2.986	51	1620657	9.172	ppbv	100
4) Chloromethane	3.137	50	550709	9.060	ppbv	98
5) Vinyl Chloride	3.256	62	565553	9.322	ppbv	93
6) Bromomethane	3.472	94	322663	9.837	ppbv	97
7) Chloroethane	3.555	64	192316	9.385	ppbv	99
8) Dichlorotetrafluoroethane	3.185	85	1364621	9.334	ppbv	99
9) Propene	3.009	41	533399	9.274	ppbv	99
10) Heptane	8.111	43	1397515	9.444	ppbv	100
11) Trichlorofluoromethane	3.944	101	1393565	9.468	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.478	101	1025928	9.221	ppbv	99
13) Ethanol	3.597	45	105160m	17.031	ppbv	
14) Bromoethene	3.735	108	409002	9.407	ppbv	98
15) Acetone	3.845	43	695791	8.893	ppbv	100
16) 1,3-Butadiene	3.324	39	533849	9.508	ppbv	99
17) tert-Butyl alcohol	4.279	59	808669	9.417	ppbv	99
18) 1,1-Dichloroethene	4.282	96	445992	9.218	ppbv	96
19) Isopropyl Alcohol	3.960	45	470278	9.608	ppbv #	98
20) Methylene Chloride	4.337	84	365751	8.038	ppbv	98
21) Allyl Chloride	4.407	41	652705	9.429	ppbv	98
22) trans-1,2-Dichloroethene	4.880	96	470229	9.406	ppbv	96
23) Vinyl Acetate	5.063	43	1081437	9.507	ppbv	99
24) 1,1-Dichloroethane	5.002	63	937077	9.247	ppbv	98
25) Ethyl Acetate	5.664	43	2134486	9.744	ppbv	99
26) Hexane	5.677	57	970873	9.529	ppbv	99
27) Carbon Disulfide	4.542	76	1148178	9.632	ppbv	99
28) Methyl tert-Butyl Ether	5.025	73	992509	9.390	ppbv	99
29) Chloroform	5.742	83	1586686	9.540	ppbv	98
30) Cyclohexane	7.118	84	831358	9.371	ppbv	99
31) cis-1,2-Dichloroethene	5.539	61	942959	10.609	ppbv	96
32) 1,1,1-Trichloroethane	6.500	97	1570150	9.452	ppbv	99
34) 2-Butanone	5.234	43	742934	9.469	ppbv	100
35) Carbon Tetrachloride	7.005	117	1644648	9.765	ppbv	97
36) Benzene	6.880	78	2066112	9.735	ppbv	98
37) 1,2-Dichloroethane	6.295	62	1208685	9.943	ppbv	99
38) Trichloroethene	7.822	130	746996	9.449	ppbv	98
39) 1,2-Dichloropropane	7.600	63	812699	9.445	ppbv	98
40) 1,4-Dioxane	7.819	88	187866	9.072	ppbv #	1
41) Tetrahydrofuran	6.037	42	526030	9.973	ppbv	99
42) Bromodichloromethane	7.777	83	1778781	9.863	ppbv	99
43) Methyl Methacrylate	8.002	69	776903	10.349	ppbv	98
44) 2,2,4-Trimethylpentane	7.857	57	3509568	9.384	ppbv	100
45) t-1,3-Dichloropropene	9.262	75	714065	11.708	ppbv	98

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46) cis-1,3-Dichloropropene	8.687	75	894621	10.994	ppbv	98
47) 1,1,2-Trichloroethane	9.462	97	823364	9.739	ppbv	99
48) Dibromochloromethane	10.288	129	1421005	9.984	ppbv	99
49) Bromoform	13.024	173	1069939	10.427	ppbv	97
50) 4-Methyl-2-Pentanone	8.729	43	1399241	9.997	ppbv	100
51) 2-Hexanone	10.121	43	629445	10.211	ppbv #	98
52) Tetrachloroethene	11.208	164	671571	9.182	ppbv	98
53) Toluene	9.790	91	2331812	9.927	ppbv	99
54) 1,2-Dibromoethane	10.597	107	1229790	10.232	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.111	131	915740	9.229	ppbv	95
57) Chlorobenzene	12.134	112	1651199	9.102	ppbv	99
58) Ethyl Benzene	12.693	91	3102701	9.312	ppbv	100
59) m/p-Xylene	12.983	91	5249569m	18.468	ppbv	
60) o-Xylene	13.680	91	2476132	9.366	ppbv	100
61) Styrene	13.513	104	1248830	10.122	ppbv	97
62) Isopropylbenzene	14.651	105	3274224	9.290	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.661	83	1811023	9.258	ppbv	100
64) n-propylbenzene	15.545	120	851027	10.037	ppbv	98
65) tert-Butylbenzene	16.732	119	2850948	9.821	ppbv	100
66) Benzyl Chloride	16.966	91	174007	13.196	ppbv	99
67) sec-Butylbenzene	17.278	105	4004548	9.917	ppbv	99
69) p-Isopropyltoluene	17.635	119	3187936	10.316	ppbv	99
70) n-Butylbenzene	18.532	91	3214751	10.621	ppbv	100
71) 2-Chlorotoluene	15.439	91	2550171	9.769	ppbv	100
72) 4-Ethyltoluene	15.822	105	2832556	10.245	ppbv	100
73) 1,3,5-Trimethylbenzene	15.979	105	2515054	10.116	ppbv	98
74) 1,2,4-Trimethylbenzene	16.748	105	2632758	10.051	ppbv	99
75) 1,3-Dichlorobenzene	16.979	146	1461688	10.399	ppbv	99
76) 1,4-Dichlorobenzene	17.121	146	1394722	10.249	ppbv	96
77) 1,2-Dichlorobenzene	17.802	146	1367496	10.475	ppbv	99
78) Hexachloro-1,3-Butadiene	23.358	225	702666	7.741	ppbv	98
79) Naphthalene	22.178	128	1324686	10.817	ppbv	99
80) Naphthalene,2-methyl-	24.960	142	289720	21.754	ppbv	98
81) 1,2,4-Trichlorobenzene	21.905	180	711469	9.877	ppbv	98

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

