

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031422\
 Data File : VL038593.D
 Acq On : 14 Mar 2022 12:03
 Operator : SY/AP
 Sample : VL0314ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0314ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/15/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Quant Time: Mar 15 01:35:20 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 15 01:35:20 2022

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.642	49	823521	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.147	114	2231279	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.047	117	2122352m	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.375 95 1679449 10.408 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.038	85	1266871	10.185	ppbv	99
3) Chlorodifluoromethane	2.977	51	1447575	9.969	ppbv	99
4) Chloromethane	3.128	50	575822	10.697	ppbv	97
5) Vinyl Chloride	3.243	62	548830	10.158	ppbv	100
6) Bromomethane	3.459	94	314636	10.849	ppbv	99
7) Chloroethane	3.542	64	186903	10.684	ppbv	93
8) Dichlorotetrafluoroethane	3.176	85	1265334	10.494	ppbv	100
9) Propene	2.999	41	512082	9.994	ppbv	100
10) Heptane	8.089	43	1323419	10.797	ppbv	97
11) Trichlorofluoromethane	3.931	101	1182619	10.844	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.465	101	940829	11.095	ppbv	99
13) Ethanol	3.591	45	55285	9.393	ppbv	98
14) Bromoethene	3.722	108	394152	10.909	ppbv	97
15) Acetone	3.832	43	688512	11.853	ppbv	99
16) 1,3-Butadiene	3.314	39	499083	10.692	ppbv	98
17) tert-Butyl alcohol	4.266	59	708519	11.227	ppbv	100
18) 1,1-Dichloroethene	4.269	96	428418	11.290	ppbv	99
19) Isopropyl Alcohol	3.948	45	399982	10.312	ppbv #	97
20) Methylene Chloride	4.324	84	345338	9.879	ppbv	98
21) Allyl Chloride	4.391	41	620630	11.085	ppbv	99
22) trans-1,2-Dichloroethene	4.864	96	455969	11.462	ppbv	99
23) Vinyl Acetate	5.047	43	992390	11.918	ppbv	99
24) 1,1-Dichloroethane	4.989	63	848379	11.203	ppbv	100
25) Ethyl Acetate	5.648	43	2025404	10.354	ppbv	100
26) Hexane	5.661	57	936683	10.196	ppbv	99
27) Carbon Disulfide	4.529	76	1102982	12.055	ppbv	98
28) Methyl tert-Butyl Ether	5.009	73	832689	11.137	ppbv	100
29) Chloroform	5.726	83	1467928	10.267	ppbv	100
30) Cyclohexane	7.099	84	831313	10.463	ppbv	99
31) cis-1,2-Dichloroethene	5.523	61	694297	7.900	ppbv	94
32) 1,1,1-Trichloroethane	6.481	97	1426563	10.289	ppbv	99
34) 2-Butanone	5.218	43	661794	11.443	ppbv	97
35) Carbon Tetrachloride	6.989	117	1507114	9.903	ppbv	100
36) Benzene	6.861	78	2093032	10.395	ppbv	99
37) 1,2-Dichloroethane	6.279	62	1008199	10.478	ppbv	100
38) Trichloroethene	7.803	130	805161	10.011	ppbv	99
39) 1,2-Dichloropropane	7.581	63	807969	10.434	ppbv	97
40) 1,4-Dioxane	7.803	88	207699	10.717	ppbv	91
41) Tetrahydrofuran	6.025	42	482382	10.195	ppbv	98
42) Bromodichloromethane	7.761	83	1595802	10.459	ppbv	99
43) Methyl Methacrylate	7.983	69	751234	10.869	ppbv	98
44) 2,2,4-Trimethylpentane	7.835	57	3429378	10.073	ppbv	100
45) t-1,3-Dichloropropene	9.243	75	611197	12.271	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.668	75	795903	11.686	ppbv	98
47) 1,1,2-Trichloroethane	9.439	97	862194	10.925	ppbv	98
48) Dibromochloromethane	10.269	129	1439560	11.488	ppbv	100
49) Bromoform	13.002	173	1223282	12.745	ppbv	99
50) 4-Methyl-2-Pentanone	8.706	43	1272518	10.733	ppbv	99
51) 2-Hexanone	10.102	43	548586	10.950	ppbv #	99
52) Tetrachloroethene	11.185	164	754326	10.221	ppbv	97
53) Toluene	9.770	91	2371249	11.032	ppbv	99
54) 1,2-Dibromoethane	10.574	107	1248121	11.068	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.085	131	932763	10.790	ppbv	98
57) Chlorobenzene	12.108	112	1718705	10.607	ppbv	97
58) Ethyl Benzene	12.674	91	3043839	11.077	ppbv	99
59) m/p-Xylene	12.960	91	5078333m	21.587	ppbv	
60) o-Xylene	13.655	91	2396248	10.787	ppbv	99
61) Styrene	13.487	104	1332798	12.176	ppbv	99
62) Isopropylbenzene	14.629	105	3345794	10.916	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.638	83	1860559	9.913	ppbv	100
64) n-propylbenzene	15.523	120	909714	11.645	ppbv	97
65) tert-Butylbenzene	16.706	119	2938941	10.722	ppbv	99
66) Benzyl Chloride	16.947	91	201535	12.409	ppbv	100
67) sec-Butylbenzene	17.256	105	4205601	10.795	ppbv	100
69) p-Isopropyltoluene	17.616	119	3458553	10.716	ppbv	99
70) n-Butylbenzene	18.510	91	3558705	10.353	ppbv	100
71) 2-Chlorotoluene	15.413	91	2516304	11.057	ppbv	98
72) 4-Ethyltoluene	15.802	105	2978560	11.673	ppbv	99
73) 1,3,5-Trimethylbenzene	15.960	105	2587090	10.922	ppbv	99
74) 1,2,4-Trimethylbenzene	16.725	105	2682461	10.601	ppbv	95
75) 1,3-Dichlorobenzene	16.957	146	1721845	10.785	ppbv	99
76) 1,4-Dichlorobenzene	17.098	146	1669901	10.560	ppbv	99
77) 1,2-Dichlorobenzene	17.777	146	1659829	10.276	ppbv	98
78) Hexachloro-1,3-Butadiene	23.336	225	1312188	8.329	ppbv	100
79) Naphthalene	22.146	128	2488669	10.932	ppbv	100
80) Naphthalene,2-methyl-	24.940	142	598652	14.899	ppbv	99
81) 1,2,4-Trichlorobenzene	21.879	180	1391315	9.565	ppbv	99

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

