

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038657.D
 Acq On : 21 Mar 2022 19:34
 Operator : SY/AP
 Sample : VL0321ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0321ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/22/2022
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 22 03:50:10 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 22 03:50:10 2022

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.665	49	940912	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	2478861	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	2255116m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.407 95 1798862 10.404 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.054	85	1113515	8.804	ppbv	100
3) Chlorodifluoromethane	2.993	51	927385	9.332	ppbv	100
4) Chloromethane	3.144	50	515550	9.449	ppbv	97
5) Vinyl Chloride	3.260	62	505403	9.117	ppbv	96
6) Bromomethane	3.475	94	286392	9.690	ppbv	100
7) Chloroethane	3.562	64	175188	9.546	ppbv	99
8) Dichlorotetrafluoroethane	3.192	85	1197874	9.485	ppbv	100
9) Propene	3.015	41	453109	9.444	ppbv	99
10) Heptane	8.118	43	1168277	10.187	ppbv	100
11) Trichlorofluoromethane	3.951	101	1082314	9.695	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.485	101	789591	9.188	ppbv	100
13) Ethanol	3.607	45	32142	6.073	ppbv	84
14) Bromoethene	3.742	108	374002	9.793	ppbv	99
15) Acetone	3.848	43	749859	9.236	ppbv	99
16) 1,3-Butadiene	3.330	39	447153	9.705	ppbv	98
17) tert-Butyl alcohol	4.282	59	666673	9.402	ppbv	99
18) 1,1-Dichloroethene	4.288	96	359331	9.308	ppbv	98
19) Isopropyl Alcohol	3.960	45	423584	9.410	ppbv	99
20) Methylene Chloride	4.343	84	293467	8.582	ppbv	98
21) Allyl Chloride	4.414	41	555669	9.510	ppbv	99
22) trans-1,2-Dichloroethene	4.886	96	370363	9.249	ppbv	100
23) Vinyl Acetate	5.073	43	797244	10.141	ppbv	99
24) 1,1-Dichloroethane	5.009	63	684654	8.843	ppbv	100
25) Ethyl Acetate	5.674	43	2013804	9.853	ppbv	100
26) Hexane	5.684	57	877751	9.593	ppbv	99
27) Carbon Disulfide	4.549	76	899930	10.026	ppbv	98
28) Methyl tert-Butyl Ether	5.031	73	615707	9.033	ppbv	100
29) Chloroform	5.751	83	1396026	9.529	ppbv	99
30) Cyclohexane	7.128	84	768208	9.656	ppbv	100
31) cis-1,2-Dichloroethene	5.546	61	872080	10.136	ppbv	94
32) 1,1,1-Trichloroethane	6.510	97	1342964	9.499	ppbv	100
34) 2-Butanone	5.240	43	1213252	12.366	ppbv	98
35) Carbon Tetrachloride	7.018	117	1410856	9.809	ppbv	97
36) Benzene	6.890	78	1872772	9.789	ppbv	98
37) 1,2-Dichloroethane	6.304	62	954246	9.805	ppbv	99
38) Trichloroethene	7.832	130	788267	9.836	ppbv	98
39) 1,2-Dichloropropane	7.610	63	725956	9.706	ppbv	99
40) 1,4-Dioxane	7.825	88	241209	9.287	ppbv #	1
41) Tetrahydrofuran	6.044	42	745430	10.208	ppbv	98
42) Bromodichloromethane	7.787	83	1474050	10.103	ppbv	100
43) Methyl Methacrylate	8.009	69	761069	10.715	ppbv	100
44) 2,2,4-Trimethylpentane	7.864	57	3119391	9.711	ppbv	100
45) t-1,3-Dichloropropene	9.272	75	845966	11.714	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.697	75	1068838	10.945	ppbv	98
47) 1,1,2-Trichloroethane	9.472	97	763317	9.559	ppbv	98
48) Dibromochloromethane	10.298	129	1309193	10.467	ppbv	100
49) Bromoform	13.034	173	1069371	10.490	ppbv	100
50) 4-Methyl-2-Pentanone	8.735	43	1894776	10.388	ppbv	100
51) 2-Hexanone	10.124	43	1447424	11.048	ppbv #	100
52) Tetrachloroethene	11.217	164	672337	9.603	ppbv	97
53) Toluene	9.799	91	2150980	10.464	ppbv	99
54) 1,2-Dibromoethane	10.603	107	1108364	10.166	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.118	131	904854	9.678	ppbv	98
57) Chlorobenzene	12.143	112	1570336	9.655	ppbv	99
58) Ethyl Benzene	12.703	91	2742677	10.403	ppbv	100
59) m/p-Xylene	12.989	91	4573667m	19.833	ppbv	
60) o-Xylene	13.684	91	2208507	10.086	ppbv	100
61) Styrene	13.523	104	1335810	11.250	ppbv	99
62) Isopropylbenzene	14.661	105	3242716	9.851	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.671	83	1473112	8.685	ppbv	100
64) n-propylbenzene	15.555	120	876261	10.145	ppbv	100
65) tert-Butylbenzene	16.738	119	2844838	9.618	ppbv	100
66) Benzyl Chloride	16.979	91	652937	11.658	ppbv	99
67) sec-Butylbenzene	17.288	105	4098578	9.689	ppbv	100
69) p-Isopropyltoluene	17.645	119	3416600	9.896	ppbv	100
70) n-Butylbenzene	18.542	91	3580192	10.054	ppbv	100
71) 2-Chlorotoluene	15.446	91	2390307	9.783	ppbv	99
72) 4-Ethyltoluene	15.831	105	2709911	10.484	ppbv	99
73) 1,3,5-Trimethylbenzene	15.989	105	2377001	10.092	ppbv	98
74) 1,2,4-Trimethylbenzene	16.754	105	2507893	9.776	ppbv	96
75) 1,3-Dichlorobenzene	16.989	146	1554872	9.515	ppbv	99
76) 1,4-Dichlorobenzene	17.130	146	1512453	9.307	ppbv	97
77) 1,2-Dichlorobenzene	17.809	146	1542247	9.527	ppbv	99
78) Hexachloro-1,3-Butadiene	23.368	225	1338747	8.948	ppbv	99
79) Naphthalene	22.185	128	2553988	13.030	ppbv	99
80) Naphthalene,2-methyl-	24.963	142	538390	10.244	ppbv	98
81) 1,2,4-Trichlorobenzene	21.912	180	1441163	10.741	ppbv	99

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

