

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040340.D
 Acq On : 12 Apr 2023 15:17
 Operator : SY/MD
 Sample : VL0412ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS02

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 05:38:20 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Apr 11 04:15:53 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1061518	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2703406	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2628821	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2045551 9.292 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 92.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1618725	7.772	ppbv	98
3) Chlorodifluoromethane	2.665	51	1237492	9.271	ppbv	99
4) Chloromethane	2.803	50	788254	9.563	ppbv	100
5) Vinyl Chloride	2.912	62	690454	10.345	ppbv	98
6) Bromomethane	3.108	94	220046	9.508	ppbv	98
7) Chloroethane	3.189	64	253794	9.905	ppbv	97
8) Dichlorotetrafluoroethane	2.848	85	1668732	9.360	ppbv	100
9) Propene	2.684	41	522668	10.221	ppbv	95
10) Heptane	7.587	43	1270082	10.326	ppbv	99
11) Trichlorofluoromethane	3.555	101	1716857	9.098	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.063	101	1209660	8.536	ppbv	97
13) Ethanol	3.230	45	38994m	10.397	ppbv	
14) Bromoethene	3.359	108	535164	10.123	ppbv	99
15) Acetone	3.459	43	1165554	9.019	ppbv	99
16) 1,3-Butadiene	2.976	39	593380	10.101	ppbv	98
17) tert-Butyl alcohol	3.870	59	1316349	10.718	ppbv	99
18) 1,1-Dichloroethene	3.877	96	564861	9.291	ppbv	98
19) Isopropyl Alcohol	3.568	45	657643	10.623	ppbv #	97
20) Methylene Chloride	3.928	84	501429	9.223	ppbv	94
21) Allyl Chloride	3.992	41	811059	9.689	ppbv	98
22) trans-1,2-Dichloroethene	4.443	96	550096	8.890	ppbv	93
23) Vinyl Acetate	4.626	43	370717m	10.311	ppbv	
24) 1,1-Dichloroethane	4.562	63	1127338	8.791	ppbv	98
25) Ethyl Acetate	5.205	43	2426403	10.029	ppbv	99
26) Hexane	5.214	57	1053026	10.603	ppbv	95
27) Carbon Disulfide	4.121	76	1386766	9.997	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	1048154	9.192	ppbv	100
29) Chloroform	5.275	83	1734687	9.892	ppbv	99
30) Cyclohexane	6.607	84	869371	11.109	ppbv	97
31) cis-1,2-Dichloroethene	5.079	61	1062119	10.982	ppbv	97
32) 1,1,1-Trichloroethane	6.005	97	1758269	10.465	ppbv	97
34) 2-Butanone	4.783	43	1360363	10.196	ppbv	97
35) Carbon Tetrachloride	6.500	117	1773818	10.456	ppbv	99
36) Benzene	6.375	78	2159349	10.481	ppbv	100
37) 1,2-Dichloroethane	5.809	62	1349432	10.063	ppbv	99
38) Trichloroethene	7.298	130	1287831	11.439	ppbv	98
39) 1,2-Dichloropropane	7.079	63	825461	10.212	ppbv	97
40) 1,4-Dioxane	7.295	88	306836	9.595	ppbv	77
41) Tetrahydrofuran	5.555	42	813877	10.569	ppbv	99
42) Bromodichloromethane	7.259	83	1903136	10.386	ppbv	98
43) Methyl Methacrylate	7.484	69	858015	11.207	ppbv	97
44) 2,2,4-Trimethylpentane	7.336	57	3524253	10.260	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	839073	12.572	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	1129583	11.918	ppbv	97
47) 1,1,2-Trichloroethane	8.912	97	892239	10.346	ppbv	97
48) Dibromochloromethane	9.722	129	1516834	10.688	ppbv	100
49) Bromoform	12.423	173	1169360	10.970	ppbv	99
50) 4-Methyl-2-Pentanone	8.188	43	2189018	10.602	ppbv	99
51) 2-Hexanone	9.561	43	1720908	10.759	ppbv #	97
52) Tetrachloroethene	10.626	164	711491	11.415	ppbv	97
53) Toluene	9.233	91	2437201	11.288	ppbv	98
54) 1,2-Dibromoethane	10.021	107	973467	10.966	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.523	131	1081082	9.776	ppbv	95
57) Chlorobenzene	11.542	112	1834511	9.810	ppbv	98
58) Ethyl Benzene	12.101	91	3266570	10.913	ppbv	97
59) m/p-Xylene	12.391	91	5633883m	20.546	ppbv	
60) o-Xylene	13.072	91	2678763	10.219	ppbv	99
61) Styrene	12.915	104	1555687	11.695	ppbv	99
62) Isopropylbenzene	14.047	105	3760729	10.074	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	821011	8.901	ppbv	99
64) n-propylbenzene	14.934	120	973802	10.660	ppbv	94
65) tert-Butylbenzene	16.108	119	3317188	10.312	ppbv	100
66) Benzyl Chloride	16.342	91	210774	10.082	ppbv	97
67) sec-Butylbenzene	16.654	105	4781925	10.394	ppbv	99
69) p-Isopropyltoluene	17.014	119	3872897	10.810	ppbv	100
70) n-Butylbenzene	17.905	91	4353848	11.030	ppbv	99
71) 2-Chlorotoluene	14.818	91	2927150	10.303	ppbv	99
72) 4-Ethyltoluene	15.211	105	3074774	10.728	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	2776276	10.694	ppbv	98
74) 1,2,4-Trimethylbenzene	16.127	105	3046808	10.292	ppbv	98
75) 1,3-Dichlorobenzene	16.349	146	1677330	10.461	ppbv	100
76) 1,4-Dichlorobenzene	16.490	146	1643512	10.747	ppbv	100
77) 1,2-Dichlorobenzene	17.162	146	1643216	10.662	ppbv	99
78) Hexachloro-1,3-Butadiene	22.661	225	1355216	11.990	ppbv	100
79) Naphthalene	21.403	128	3006575	17.167	ppbv	98
80) Naphthalene,2-methyl-	24.387	142	890162	20.069	ppbv	98
81) 1,2,4-Trichlorobenzene	21.162	180	1529929	14.183	ppbv	99

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

