

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040194.D
 Acq On : 21 Feb 2023 14:15
 Operator : SY/MD
 Sample : VL0221ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0221ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023

Quant Time: Feb 22 03:22:14 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Feb 22 03:17:31 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	858046	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.677	114	2239680	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.500	117	2109163m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.809 95 1632856 9.415 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	1693755	10.591	ppbv	99
3) Chlorodifluoromethane	2.677	51	1015030	9.902	ppbv	100
4) Chloromethane	2.816	50	656883	10.202	ppbv	94
5) Vinyl Chloride	2.925	62	569582	11.009	ppbv	98
6) Bromomethane	3.124	94	185820	9.951	ppbv	95
7) Chloroethane	3.201	64	203994	9.942	ppbv	96
8) Dichlorotetrafluoroethane	2.861	85	1401935	10.174	ppbv	99
9) Propene	2.693	41	432017	10.340	ppbv	99
10) Heptane	7.600	43	1103682	11.098	ppbv	100
11) Trichlorofluoromethane	3.571	101	1423196	9.919	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.076	101	1075438	10.160	ppbv	100
13) Ethanol	3.253	45	24735m	6.431	ppbv	
14) Bromoethene	3.372	108	437193	10.770	ppbv	98
15) Acetone	3.475	43	945781	9.155	ppbv	99
16) 1,3-Butadiene	2.986	39	502957	10.661	ppbv	98
17) tert-Butyl alcohol	3.886	59	978066	10.381	ppbv	100
18) 1,1-Dichloroethene	3.889	96	472245	10.268	ppbv	99
19) Isopropyl Alcohol	3.581	45	459865	9.365	ppbv	100
20) Methylene Chloride	3.944	84	408257	7.592	ppbv	99
21) Allyl Chloride	4.005	41	707634	11.168	ppbv	98
22) trans-1,2-Dichloroethene	4.459	96	499809	10.494	ppbv	95
23) Vinyl Acetate	4.642	43	330750	10.550	ppbv	98
24) 1,1-Dichloroethane	4.578	63	999107	10.195	ppbv	98
25) Ethyl Acetate	5.221	43	2022723	10.533	ppbv	100
26) Hexane	5.227	57	863678	10.476	ppbv	98
27) Carbon Disulfide	4.134	76	1226618	11.726	ppbv	99
28) Methyl tert-Butyl Ether	4.600	73	943738	10.684	ppbv	99
29) Chloroform	5.291	83	1463394	10.338	ppbv	99
30) Cyclohexane	6.622	84	737593	11.394	ppbv	97
31) cis-1,2-Dichloroethene	5.095	61	873075	11.146	ppbv	95
32) 1,1,1-Trichloroethane	6.021	97	1452560	10.922	ppbv	99
34) 2-Butanone	4.803	43	1108261	10.031	ppbv	100
35) Carbon Tetrachloride	6.513	117	1509354	11.400	ppbv	100
36) Benzene	6.391	78	1856594	10.652	ppbv	99
37) 1,2-Dichloroethane	5.825	62	1117940	10.255	ppbv	99
38) Trichloroethene	7.317	130	1091541	11.365	ppbv	99
39) 1,2-Dichloropropane	7.095	63	703830	10.380	ppbv	99
40) 1,4-Dioxane	7.311	88	255760	9.430	ppbv	79
41) Tetrahydrofuran	5.574	42	698958	10.917	ppbv	100
42) Bromodichloromethane	7.272	83	1609882	10.700	ppbv	100
43) Methyl Methacrylate	7.497	69	738375	11.449	ppbv	98
44) 2,2,4-Trimethylpentane	7.349	57	3038120	10.442	ppbv	100
45) t-1,3-Dichloropropene	8.735	75	696181	12.169	ppbv	98

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

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.166	75	941613	11.814	ppbv	96
47) 1,1,2-Trichloroethane	8.928	97	769918	10.498	ppbv	98
48) Dibromochloromethane	9.738	129	1319447	11.249	ppbv	99
49) Bromoform	12.439	173	1046626	11.432	ppbv	100
50) 4-Methyl-2-Pentanone	8.208	43	1868041	10.890	ppbv	100
51) 2-Hexanone	9.577	43	1439614	10.912	ppbv	99
52) Tetrachloroethene	10.645	164	622102	11.430	ppbv	96
53) Toluene	9.249	91	2104462	11.273	ppbv	100
54) 1,2-Dibromoethane	10.040	107	853253	11.182	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.539	131	938100	10.596	ppbv	94
57) Chlorobenzene	11.558	112	1608121	10.436	ppbv	97
58) Ethyl Benzene	12.121	91	2881488	11.244	ppbv	99
59) m/p-Xylene	12.400	91	4899191m	21.585	ppbv	
60) o-Xylene	13.092	91	2355338	10.784	ppbv	99
61) Styrene	12.931	104	1356014	11.826	ppbv	100
62) Isopropylbenzene	14.063	105	3315184	10.575	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.079	83	779487	9.904	ppbv	100
64) n-propylbenzene	14.947	120	837539	10.795	ppbv	99
65) tert-Butylbenzene	16.124	119	2879342	10.566	ppbv	99
66) Benzyl Chloride	16.362	91	189387	10.444	ppbv	99
67) sec-Butylbenzene	16.670	105	4052801	10.370	ppbv	100
69) p-Isopropyltoluene	17.027	119	3256433	10.511	ppbv	99
70) n-Butylbenzene	17.918	91	3470395	10.320	ppbv	100
71) 2-Chlorotoluene	14.834	91	2532481	10.563	ppbv	100
72) 4-Ethyltoluene	15.223	105	2641370	10.940	ppbv	98
73) 1,3,5-Trimethylbenzene	15.381	105	2350343	10.462	ppbv	100
74) 1,2,4-Trimethylbenzene	16.143	105	2537429	10.283	ppbv	95
75) 1,3-Dichlorobenzene	16.365	146	1380747	10.225	ppbv	99
76) 1,4-Dichlorobenzene	16.506	146	1357714	10.260	ppbv	99
77) 1,2-Dichlorobenzene	17.175	146	1330982	9.922	ppbv	100
78) Hexachloro-1,3-Butadiene	22.670	225	830186	9.008	ppbv	100
79) Naphthalene	21.419	128	1618818	11.677	ppbv	98
80) Naphthalene,2-methyl-	24.406	142	397795	10.091	ppbv	99
81) 1,2,4-Trichlorobenzene	21.175	180	899110	10.364	ppbv	98

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

