

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022723\
 Data File : VL040231.D
 Acq On : 27 Feb 2023 11:53
 Operator : SY/MD
 Sample : VL0227ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Quant Time: Feb 28 00:17:27 2023

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

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

QLast Update : Tue Feb 28 00:12:21 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/28/2023
 Supervised By : Mahesh Dadoda 02/28/2023

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

Internal Standards						
1) Bromochloromethane	5.185	49	941932	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2504381	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2422374	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 1911715 9.597 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	1195056	6.807	ppbv	100
3) Chlorodifluoromethane	2.661	51	1101797	9.792	ppbv	100
4) Chloromethane	2.800	50	688467	9.741	ppbv	95
5) Vinyl Chloride	2.909	62	595138	10.478	ppbv	99
6) Bromomethane	3.108	94	196690	9.595	ppbv	97
7) Chloroethane	3.185	64	221894	9.852	ppbv	98
8) Dichlorotetrafluoroethane	2.845	85	1478360	9.773	ppbv	99
9) Propene	2.681	41	450588	9.824	ppbv	99
10) Heptane	7.574	43	1155127	10.581	ppbv	99
11) Trichlorofluoromethane	3.552	101	1586590	10.073	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.057	101	1186834	10.213	ppbv	99
13) Ethanol	3.237	45	27819m	6.588	ppbv	
14) Bromoethene	3.356	108	469927	10.546	ppbv	100
15) Acetone	3.455	43	1042815	9.196	ppbv	100
16) 1,3-Butadiene	2.973	39	543555	10.496	ppbv	100
17) tert-Butyl alcohol	3.867	59	1127864	10.905	ppbv	99
18) 1,1-Dichloroethene	3.870	96	511846	10.137	ppbv	97
19) Isopropyl Alcohol	3.565	45	541294	10.041	ppbv	100
20) Methylene Chloride	3.922	84	440867	7.468	ppbv	97
21) Allyl Chloride	3.986	41	734449	10.559	ppbv	98
22) trans-1,2-Dichloroethene	4.436	96	551169	10.542	ppbv	96
23) Vinyl Acetate	4.619	43	336327	9.772	ppbv	98
24) 1,1-Dichloroethane	4.555	63	1108625	10.305	ppbv	100
25) Ethyl Acetate	5.198	43	2031418	9.636	ppbv	99
26) Hexane	5.205	57	842952	9.314	ppbv	99
27) Carbon Disulfide	4.115	76	1340937	11.677	ppbv	98
28) Methyl tert-Butyl Ether	4.578	73	1012435	10.441	ppbv	98
29) Chloroform	5.269	83	1495170	9.622	ppbv	98
30) Cyclohexane	6.597	84	744841	10.481	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	846996	9.850	ppbv	97
32) 1,1,1-Trichloroethane	5.996	97	1535589	10.518	ppbv	99
34) 2-Butanone	4.777	43	1186788	9.607	ppbv	98
35) Carbon Tetrachloride	6.488	117	1608921	10.867	ppbv	97
36) Benzene	6.365	78	1914167	9.822	ppbv	100
37) 1,2-Dichloroethane	5.799	62	1200012	9.845	ppbv	99
38) Trichloroethene	7.288	130	1137331	10.590	ppbv	98
39) 1,2-Dichloropropane	7.069	63	732611	9.663	ppbv	98
40) 1,4-Dioxane	7.285	88	289138	9.534	ppbv #	1
41) Tetrahydrofuran	5.549	42	718469	10.036	ppbv	99
42) Bromodichloromethane	7.246	83	1732195	10.296	ppbv	99
43) Methyl Methacrylate	7.471	69	765399	10.614	ppbv	98
44) 2,2,4-Trimethylpentane	7.324	57	3164874	9.728	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	721513	11.279	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	982376	11.023	ppbv	99
47) 1,1,2-Trichloroethane	8.899	97	799888	9.754	ppbv	99
48) Dibromochloromethane	9.712	129	1386491	10.571	ppbv	100
49) Bromoform	12.410	173	1079646	10.546	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	1966322	10.251	ppbv	100
51) 2-Hexanone	9.552	43	1531499	10.382	ppbv #	99
52) Tetrachloroethene	10.616	164	627865	10.317	ppbv	97
53) Toluene	9.221	91	2163540	10.364	ppbv	100
54) 1,2-Dibromoethane	10.008	107	887188	10.398	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.513	131	980739	9.645	ppbv #	94
57) Chlorobenzene	11.529	112	1661380	9.388	ppbv	99
58) Ethyl Benzene	12.092	91	2977902	10.118	ppbv	99
59) m/p-Xylene	12.375	91	5111329m	19.608	ppbv	
60) o-Xylene	13.063	91	2479955	9.887	ppbv	100
61) Styrene	12.899	104	1416457	10.756	ppbv	99
62) Isopropylbenzene	14.034	105	3463129	9.619	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	813544	9.000	ppbv	99
64) n-propylbenzene	14.921	120	872401	9.790	ppbv	96
65) tert-Butylbenzene	16.092	119	3037264	9.705	ppbv	99
66) Benzyl Chloride	16.333	91	201923	9.695	ppbv	99
67) sec-Butylbenzene	16.638	105	4289804	9.558	ppbv	100
69) p-Isopropyltoluene	16.998	119	3419720	9.611	ppbv	100
70) n-Butylbenzene	17.892	91	3702630	9.587	ppbv	99
71) 2-Chlorotoluene	14.802	91	2679114	9.729	ppbv	99
72) 4-Ethyltoluene	15.198	105	2805200	10.117	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2472528	9.583	ppbv	100
74) 1,2,4-Trimethylbenzene	16.111	105	2683170	9.468	ppbv	99
75) 1,3-Dichlorobenzene	16.336	146	1454302	9.377	ppbv	99
76) 1,4-Dichlorobenzene	16.481	146	1415000	9.310	ppbv	99
77) 1,2-Dichlorobenzene	17.146	146	1389736	9.021	ppbv	100
78) Hexachloro-1,3-Butadiene	22.641	225	866575	8.187	ppbv	99
79) Naphthalene	21.390	128	1673922	10.513	ppbv	97
80) Naphthalene,2-methyl-	24.381	142	352924	7.795	ppbv	96
81) 1,2,4-Trichlorobenzene	21.143	180	931357	9.348	ppbv	98

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

