

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100421\
 Data File : VL037765.D
 Acq On : 4 Oct 2021 18:40
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100421

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 10/05/2021
 Supervised By : Semsettin Yesilyurt 10/05/2021

Quant Time: Oct 04 19:12:05 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021

QLast Update : Mon Oct 04 17:43:54 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.668	49	1464448	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.176	114	4292340	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.085	117	4076556m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.413 95 2844433 9.98 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.050	85	2823505	12.07	ppbv	96
3) Chlorodifluoromethane	2.989	51	2584778	9.19	ppbv	99
4) Chloromethane	3.140	50	967963	9.39	ppbv	99
5) Vinyl Chloride	3.256	62	947411	10.03	ppbv	96
6) Bromomethane	3.475	94	493506	9.66	ppbv	99
7) Chloroethane	3.558	64	336112	9.68	ppbv	95
8) Dichlorotetrafluoroethane	3.189	85	2188252	9.46	ppbv	99
9) Propene	3.009	41	983198	9.50	ppbv	98
10) Heptane	8.121	43	2341637	9.96	ppbv	100
11) Trichlorofluoromethane	3.951	101	1968156	9.43	ppbv	100
12) 1,1,2-Trichlorotrifluoro...	4.484	101	1481725	9.37	ppbv	99
13) Ethanol	3.613	45	87832m	10.37	ppbv	
14) Bromoethene	3.742	108	679633	9.78	ppbv	94
15) Acetone	3.848	43	1113111	8.47	ppbv	99
16) 1,3-Butadiene	3.327	39	901444	9.42	ppbv	95
17) tert-Butyl alcohol	4.285	59	1342246	9.91	ppbv	99
18) 1,1-Dichloroethene	4.288	96	671819	9.35	ppbv	98
19) Isopropyl Alcohol	3.964	45	794360	9.71	ppbv #	98
20) Methylene Chloride	4.346	84	582435	8.77	ppbv	98
21) Allyl Chloride	4.410	41	1094545	9.40	ppbv	96
22) trans-1,2-Dichloroethene	4.883	96	696909	9.65	ppbv	97
23) Vinyl Acetate	5.073	43	2196748	11.15	ppbv	99
24) 1,1-Dichloroethane	5.009	63	1435599	10.01	ppbv	99
25) Ethyl Acetate	5.677	43	3652717	9.90	ppbv	99
26) Hexane	5.687	57	1728732	9.52	ppbv	99
27) Carbon Disulfide	4.552	76	1714548	10.65	ppbv	98
28) Methyl tert-Butyl Ether	5.034	73	1643384	10.87	ppbv	98
29) Chloroform	5.751	83	2438590	9.39	ppbv	99
30) Cyclohexane	7.127	84	1482710	9.63	ppbv	98
31) cis-1,2-Dichloroethene	5.549	61	1630116	9.89	ppbv	96
32) 1,1,1-Trichloroethane	6.510	97	2361324	9.59	ppbv	99
34) 2-Butanone	5.243	43	1643692	9.49	ppbv	100
35) Carbon Tetrachloride	7.018	117	2421360	9.93	ppbv	99
36) Benzene	6.889	78	3592798	9.80	ppbv	99
37) 1,2-Dichloroethane	6.308	62	1707869	9.89	ppbv	100
38) Trichloroethene	7.835	130	1388227	9.58	ppbv	99
39) 1,2-Dichloropropane	7.613	63	1381214	10.02	ppbv	96
40) 1,4-Dioxane	7.832	88	330969m	9.59	ppbv	
41) Tetrahydrofuran	6.050	42	879669	10.37	ppbv	98
42) Bromodichloromethane	7.790	83	2593402	10.23	ppbv	98
43) Methyl Methacrylate	8.015	69	1289237	10.77	ppbv	99
44) 2,2,4-Trimethylpentane	7.870	57	5977735	9.70	ppbv	100
45) t-1,3-Dichloropropene	9.282	75	979890	11.89	ppbv	95

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46) cis-1,3-Dichloropropene	8.706	75	1287621	11.27	ppbv	99
47) 1,1,2-Trichloroethane	9.475	97	1431840	9.55	ppbv	98
48) Dibromochloromethane	10.304	129	2294635	10.74	ppbv	100
49) Bromoform	13.040	173	1942046	11.88	ppbv	98
50) 4-Methyl-2-Pentanone	8.742	43	2415035	10.71	ppbv	100
51) 2-Hexanone	10.134	43	1127555	11.20	ppbv	100
52) Tetrachloroethene	11.224	164	1313972	9.21	ppbv	96
53) Toluene	9.806	91	4122591	10.15	ppbv	100
54) 1,2-Dibromoethane	10.613	107	2018605	9.97	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.124	131	1598594	9.47	ppbv	97
57) Chlorobenzene	12.147	112	3044811	9.10	ppbv	97
58) Ethyl Benzene	12.709	91	5348051	9.77	ppbv	99
59) m/p-Xylene	12.995	91	8804704m	18.74	ppbv	
60) o-Xylene	13.690	91	4157688	9.23	ppbv	98
61) Styrene	13.526	104	2390234	10.97	ppbv	98
62) Isopropylbenzene	14.664	105	5790745	9.22	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.674	83	2965925	8.54	ppbv	99
64) n-propylbenzene	15.558	120	1547013	9.88	ppbv	90
65) tert-Butylbenzene	16.744	119	4995139	9.04	ppbv	99
66) Benzyl Chloride	16.986	91	286509m	10.50	ppbv	
67) sec-Butylbenzene	17.291	105	6947506	9.19	ppbv	100
69) p-Isopropyltoluene	17.648	119	5733393	9.38	ppbv	99
70) n-Butylbenzene	18.545	91	5540268	9.54	ppbv	100
71) 2-Chlorotoluene	15.449	91	4294748	9.68	ppbv	98
72) 4-Ethyltoluene	15.834	105	4968887	9.72	ppbv	99
73) 1,3,5-Trimethylbenzene	15.995	105	4448515	9.58	ppbv	97
74) 1,2,4-Trimethylbenzene	16.760	105	4487480	9.20	ppbv	96
75) 1,3-Dichlorobenzene	16.992	146	2771586	9.17	ppbv	99
76) 1,4-Dichlorobenzene	17.133	146	2675366	9.28	ppbv	99
77) 1,2-Dichlorobenzene	17.815	146	2650907	9.13	ppbv	99
78) Hexachloro-1,3-Butadiene	23.368	225	1847966	7.80	ppbv	99
79) Naphthalene	22.188	128	2987350	10.00	ppbv	100
80) Naphthalene,2-methyl-	24.963	142	691791	8.63	ppbv	98
81) 1,2,4-Trichlorobenzene	21.924	180	1823474	9.54	ppbv	100

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

