

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\
 Data File : VL037934.D
 Acq On : 1 Nov 2021 9:22
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/05/2021
 Supervised By : Mahesh Dadoda 11/10/2021

Quant Time: Nov 01 11:06:03 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.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	5.665	49	1626788	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	4767484	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	4328854m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.407 95 3282762 10.844 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.051	85	2163434	8.326	ppbv	99
3) Chlorodifluoromethane	2.993	51	2689921	8.606	ppbv	100
4) Chloromethane	3.144	50	1032168	9.016	ppbv	96
5) Vinyl Chloride	3.260	62	1036085	9.872	ppbv	100
6) Bromomethane	3.478	94	569392	10.030	ppbv	99
7) Chloroethane	3.559	64	362886	9.404	ppbv	96
8) Dichlorotetrafluoroethane	3.192	85	2343967	9.127	ppbv	99
9) Propene	3.015	41	948106	8.243	ppbv	95
10) Heptane	8.118	43	2495268	9.553	ppbv	100
11) Trichlorofluoromethane	3.951	101	2123305	9.159	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	4.488	101	1656831	9.432	ppbv	99
13) Ethanol	3.613	45	98752m	10.499	ppbv	
14) Bromoethene	3.742	108	721478	9.341	ppbv	96
15) Acetone	3.848	43	1146722	7.852	ppbv	99
16) 1,3-Butadiene	3.330	39	997324	9.386	ppbv	99
17) tert-Butyl alcohol	4.285	59	1282778	8.529	ppbv	99
18) 1,1-Dichloroethene	4.292	96	741100	9.284	ppbv	99
19) Isopropyl Alcohol	3.960	45	809716	8.912	ppbv #	91
20) Methylene Chloride	4.346	84	629259	8.528	ppbv	97
21) Allyl Chloride	4.411	41	1172657	9.064	ppbv	97
22) trans-1,2-Dichloroethene	4.886	96	758432	9.450	ppbv	97
23) Vinyl Acetate	5.073	43	1866037	8.527	ppbv #	98
24) 1,1-Dichloroethane	5.012	63	1537083	9.648	ppbv	100
25) Ethyl Acetate	5.674	43	3785069	9.236	ppbv	99
26) Hexane	5.684	57	1786985	8.856	ppbv	98
27) Carbon Disulfide	4.552	76	1926825	10.774	ppbv	97
28) Methyl tert-Butyl Ether	5.031	73	1486592	8.849	ppbv	99
29) Chloroform	5.751	83	2560593	8.877	ppbv	98
30) Cyclohexane	7.128	84	1505779	8.800	ppbv	99
31) cis-1,2-Dichloroethene	5.549	61	1693742	9.246	ppbv	97
32) 1,1,1-Trichloroethane	6.510	97	2422917	8.860	ppbv	99
34) 2-Butanone	5.243	43	1630074	8.469	ppbv	100
35) Carbon Tetrachloride	7.015	117	2537562	9.372	ppbv	100
36) Benzene	6.890	78	3751528	9.213	ppbv	98
37) 1,2-Dichloroethane	6.304	62	1774740	9.256	ppbv	99
38) Trichloroethene	7.828	130	1476189	9.176	ppbv	95
39) 1,2-Dichloropropane	7.610	63	1405486	9.176	ppbv	98
40) 1,4-Dioxane	7.832	88	356640	9.305	ppbv #	100
41) Tetrahydrofuran	6.047	42	850789	9.027	ppbv	99
42) Bromodichloromethane	7.787	83	2694026	9.566	ppbv	99
43) Methyl Methacrylate	8.009	69	1336706	10.050	ppbv	97
44) 2,2,4-Trimethylpentane	7.864	57	6271513	9.167	ppbv	99
45) t-1,3-Dichloropropene	9.272	75	1083160	11.836	ppbv	100

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46) cis-1,3-Dichloropropene	8.697	75	1458492	11.498	ppbv	98
47) 1,1,2-Trichloroethane	9.468	97	1530555	9.192	ppbv	98
48) Dibromochloromethane	10.298	129	2361012	9.946	ppbv	98
49) Bromoform	13.031	173	1895990	10.439	ppbv	99
50) 4-Methyl-2-Pentanone	8.738	43	2400467	9.581	ppbv	99
51) 2-Hexanone	10.131	43	1049279	9.381	ppbv #	99
52) Tetrachloroethene	11.217	164	1351305	8.529	ppbv	98
53) Toluene	9.799	91	4306289	9.542	ppbv	100
54) 1,2-Dibromoethane	10.606	107	2120189	9.427	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.118	131	1625111	9.069	ppbv #	53
57) Chlorobenzene	12.140	112	3169906	8.926	ppbv	99
58) Ethyl Benzene	12.706	91	5385326	9.265	ppbv	100
59) m/p-Xylene	12.989	91	9215014m	18.468	ppbv	
60) o-Xylene	13.684	91	4311323	9.016	ppbv	100
61) Styrene	13.520	104	2370787	10.250	ppbv	99
62) Isopropylbenzene	14.661	105	5932424	8.894	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.671	83	3127431	8.475	ppbv	98
64) n-propylbenzene	15.555	120	1605253	9.651	ppbv	94
65) tert-Butylbenzene	16.738	119	5146494	8.768	ppbv	99
66) Benzyl Chloride	16.976	91	347741m	12.005	ppbv	
67) sec-Butylbenzene	17.285	105	7139803	8.894	ppbv	100
69) p-Isopropyltoluene	17.645	119	5883742	9.066	ppbv	99
70) n-Butylbenzene	18.539	91	5627310	9.127	ppbv	100
71) 2-Chlorotoluene	15.442	91	4367404	9.273	ppbv	99
72) 4-Ethyltoluene	15.831	105	5068667	9.335	ppbv	98
73) 1,3,5-Trimethylbenzene	15.992	105	4633751	9.395	ppbv	97
74) 1,2,4-Trimethylbenzene	16.757	105	4718306	9.110	ppbv	98
75) 1,3-Dichlorobenzene	16.986	146	2857343	8.905	ppbv	99
76) 1,4-Dichlorobenzene	17.130	146	2769381	9.048	ppbv	99
77) 1,2-Dichlorobenzene	17.806	146	2649897	8.597	ppbv	99
78) Hexachloro-1,3-Butadiene	23.365	225	2008929	7.982	ppbv	99
79) Naphthalene	22.185	128	3484482	10.986	ppbv	100
80) Naphthalene,2-methyl-	24.963	142	992767	11.657	ppbv	98
81) 1,2,4-Trichlorobenzene	21.915	180	1964335	9.683	ppbv	98

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

