

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\
 Data File : VL037940.D
 Acq On : 1 Nov 2021 13:10
 Operator : SY/AP
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

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

Quant Time: Nov 01 14:05:05 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Nov 01 2021

QLast Update : Mon Nov 01 11:08:47 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.664	49	1594513	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.176	114	4674890	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	4397768	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.407 95 3184554 10.355 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.054	85	2498599	9.810	ppbv	98
3) Chlorodifluoromethane	2.993	51	3852891	12.576	ppbv	99
4) Chloromethane	3.144	50	1528118	13.618	ppbv	100
5) Vinyl Chloride	3.259	62	1505759	14.638	ppbv	97
6) Bromomethane	3.475	94	842462	15.140	ppbv	95
7) Chloroethane	3.558	64	528529	13.974	ppbv	95
8) Dichlorotetrafluoroethane	3.189	85	3233253	12.844	ppbv	99
9) Propene	3.015	41	1467166	13.015	ppbv	94
10) Heptane	8.118	43	3654078	14.273	ppbv	100
11) Trichlorofluoromethane	3.951	101	3061543	13.473	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	4.488	101	2295477	13.333	ppbv	99
13) Ethanol	3.607	45	116381	12.624	ppbv	94
14) Bromoethene	3.738	108	1060373	14.007	ppbv	98
15) Acetone	3.848	43	1719545	12.013	ppbv	99
16) 1,3-Butadiene	3.330	39	1419097	13.626	ppbv	98
17) tert-Butyl alcohol	4.285	59	1753872	11.897	ppbv	98
18) 1,1-Dichloroethene	4.288	96	1075922	13.751	ppbv	98
19) Isopropyl Alcohol	3.960	45	1078412	12.110	ppbv #	95
20) Methylene Chloride	4.343	84	909625	12.577	ppbv	94
21) Allyl Chloride	4.410	41	1754574	13.837	ppbv	99
22) trans-1,2-Dichloroethene	4.883	96	1113334	14.153	ppbv	97
23) Vinyl Acetate	5.070	43	2851863	13.295	ppbv	99
24) 1,1-Dichloroethane	5.012	63	2177886	13.948	ppbv	99
25) Ethyl Acetate	5.677	43	5532597	13.774	ppbv	100
26) Hexane	5.684	57	2596583	13.128	ppbv	100
27) Carbon Disulfide	4.549	76	2762117	15.758	ppbv	98
28) Methyl tert-Butyl Ether	5.031	73	2117969	12.862	ppbv	98
29) Chloroform	5.751	83	3728458	13.188	ppbv	97
30) Cyclohexane	7.127	84	2242720	13.372	ppbv	97
31) cis-1,2-Dichloroethene	5.545	61	2461886	13.711	ppbv	97
32) 1,1,1-Trichloroethane	6.510	97	3487750	13.012	ppbv	99
34) 2-Butanone	5.240	43	2484700	13.165	ppbv	99
35) Carbon Tetrachloride	7.015	117	3692447	13.908	ppbv	97
36) Benzene	6.886	78	5394399	13.510	ppbv	98
37) 1,2-Dichloroethane	6.304	62	2598443	13.820	ppbv	98
38) Trichloroethene	7.832	130	2145161	13.598	ppbv	96
39) 1,2-Dichloropropane	7.610	63	2091205	13.923	ppbv	97
40) 1,4-Dioxane	7.828	88	453861	12.076	ppbv #	1
41) Tetrahydrofuran	6.047	42	1305807	14.130	ppbv	99
42) Bromodichloromethane	7.787	83	3882257	14.058	ppbv	98
43) Methyl Methacrylate	8.012	69	1984445	15.216	ppbv	99
44) 2,2,4-Trimethylpentane	7.867	57	8818099	13.144	ppbv	99
45) t-1,3-Dichloropropene	9.272	75	1705545	19.006	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.700	75	2179068	17.519	ppbv	99
47) 1,1,2-Trichloroethane	9.471	97	2209883	13.535	ppbv	98
48) Dibromochloromethane	10.298	129	3493116	15.007	ppbv	99
49) Bromoform	13.034	173	2848378	15.993	ppbv	97
50) 4-Methyl-2-Pentanone	8.738	43	3518802	14.322	ppbv	98
51) 2-Hexanone	10.130	43	1667372	15.202	ppbv #	99
52) Tetrachloroethene	11.217	164	1959810	12.615	ppbv	97
53) Toluene	9.799	91	6210681	14.035	ppbv	99
54) 1,2-Dibromoethane	10.606	107	3096427	14.040	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.121	131	2349356	12.905	ppbv #	58
57) Chlorobenzene	12.143	112	4485136	12.432	ppbv	99
58) Ethyl Benzene	12.703	91	7824698	13.250	ppbv	96
59) m/p-Xylene	12.989	91	13185981m	26.013	ppbv	
60) o-Xylene	13.687	91	6057499	12.469	ppbv	98
61) Styrene	13.523	104	3516506	14.965	ppbv	99
62) Isopropylbenzene	14.661	105	8326096	12.288	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.667	83	4453192	11.879	ppbv	99
64) n-propylbenzene	15.552	120	2319545	13.727	ppbv	96
65) tert-Butylbenzene	16.738	119	7257639	12.171	ppbv	100
66) Benzyl Chloride	16.976	91	522931	17.770	ppbv	97
67) sec-Butylbenzene	17.288	105	10013718	12.279	ppbv	99
69) p-Isopropyltoluene	17.645	119	8304036	12.595	ppbv	99
70) n-Butylbenzene	18.539	91	8068479	12.882	ppbv	99
71) 2-Chlorotoluene	15.442	91	6200663	12.959	ppbv	98
72) 4-Ethyltoluene	15.831	105	7181026	13.018	ppbv	99
73) 1,3,5-Trimethylbenzene	15.989	105	6592844	13.158	ppbv	96
74) 1,2,4-Trimethylbenzene	16.757	105	6575358	12.497	ppbv	98
75) 1,3-Dichlorobenzene	16.989	146	4111960	12.614	ppbv	99
76) 1,4-Dichlorobenzene	17.130	146	4056579	13.045	ppbv	99
77) 1,2-Dichlorobenzene	17.809	146	3871423	12.363	ppbv	100
78) Hexachloro-1,3-Butadiene	23.365	225	2850408	11.148	ppbv	98
79) Naphthalene	22.181	128	5421938	16.826	ppbv	99
80) Naphthalene,2-methyl-	24.956	142	1640928	18.965	ppbv	99
81) 1,2,4-Trichlorobenzene	21.908	180	3020885	14.658	ppbv	98

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

