

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040522\
 Data File : VL038815.D
 Acq On : 5 Apr 2022 17:50
 Operator : SY/AP
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/07/2022
 Supervised By : Mahesh Dadoda 04/07/2022

Quant Time: Apr 05 19:45:37 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 05 2022

QLast Update : Tue Apr 05 17:22:42 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.664	49	1493181	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	3943401	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	3594745	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	2736477	9.929	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.050	85	129921	0.647	ppbv	90
3) Chlorodifluoromethane	2.989	51	94168	0.597	ppbv	99
4) Chloromethane	3.140	50	47453m	0.548	ppbv	
5) Vinyl Chloride	3.256	62	42675	0.485	ppbv	93
6) Bromomethane	3.475	94	21153m	0.451	ppbv	
7) Chloroethane	3.565	64	15188m	0.521	ppbv	
8) Dichlorotetrafluoroethane	3.192	85	103284	0.515	ppbv	98
9) Propene	3.012	41	48886	0.642	ppbv	86
10) Heptane	8.114	43	125799m	0.691	ppbv	
11) Trichlorofluoromethane	3.951	101	88667	0.500	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.488	101	65035	0.477	ppbv	97
13) Ethanol	3.619	45	3582m	0.426	ppbv	
14) Bromoethene	3.738	108	30145m	0.497	ppbv	
15) Acetone	3.864	43	84492m	0.656	ppbv	
16) 1,3-Butadiene	3.327	39	42279m	0.578	ppbv	
17) tert-Butyl alcohol	4.301	59	74147m	0.659	ppbv	
18) 1,1-Dichloroethene	4.285	96	31174m	0.509	ppbv	
19) Isopropyl Alcohol	3.980	45	48723m	0.682	ppbv	
20) Methylene Chloride	4.346	84	31382m	0.578	ppbv	
21) Allyl Chloride	4.410	41	61128m	0.659	ppbv	
22) trans-1,2-Dichloroethene	4.886	96	30671m	0.483	ppbv	
23) Vinyl Acetate	5.079	43	75707m	0.607	ppbv	
24) 1,1-Dichloroethane	5.008	63	65159	0.530	ppbv	97
25) Ethyl Acetate	5.684	43	183774	0.567	ppbv #	96
26) Hexane	5.684	57	85408	0.588	ppbv	97
27) Carbon Disulfide	4.549	76	76087m	0.534	ppbv	
28) Methyl tert-Butyl Ether	5.044	73	68345m	0.632	ppbv	
29) Chloroform	5.748	83	118420	0.509	ppbv	96
30) Cyclohexane	7.124	84	80220	0.635	ppbv	85
31) cis-1,2-Dichloroethene	5.542	61	81260m	0.595	ppbv	
32) 1,1,1-Trichloroethane	6.504	97	125778m	0.561	ppbv	
34) 2-Butanone	5.250	43	82956m	0.531	ppbv	
35) Carbon Tetrachloride	7.012	117	122546	0.536	ppbv	86
36) Benzene	6.886	78	189045	0.621	ppbv	97
37) 1,2-Dichloroethane	6.304	62	83968	0.542	ppbv #	95
38) Trichloroethene	7.832	130	70241	0.551	ppbv	95
39) 1,2-Dichloropropane	7.610	63	71879	0.604	ppbv	96
40) 1,4-Dioxane	7.854	88	26680m	0.646	ppbv	
41) Tetrahydrofuran	6.073	42	74373m	0.640	ppbv	
42) Bromodichloromethane	7.780	83	132368	0.570	ppbv	95
43) Methyl Methacrylate	8.012	69	65834	0.583	ppbv	95
44) 2,2,4-Trimethylpentane	7.867	57	327895	0.642	ppbv	99
45) t-1,3-Dichloropropene	9.275	75	61820	0.538	ppbv	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.693	75	90004m	0.579	ppbv	
47) 1,1,2-Trichloroethane	9.465	97	71979	0.567	ppbv	94
48) Dibromochloromethane	10.298	129	103169	0.518	ppbv	97
49) Bromoform	13.027	173	79629	0.491	ppbv	97
50) 4-Methyl-2-Pentanone	8.754	43	163419	0.563	ppbv	99
51) 2-Hexanone	10.147	43	125630m	0.603	ppbv	
52) Tetrachloroethene	11.217	164	65287m	0.586	ppbv	
53) Toluene	9.799	91	217185	0.664	ppbv	99
54) 1,2-Dibromoethane	10.600	107	95554m	0.551	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.114	131	81708	0.548	ppbv #	1
57) Chlorobenzene	12.140	112	159316	0.614	ppbv	94
58) Ethyl Benzene	12.703	91	283097	0.674	ppbv #	84
59) m/p-Xylene	12.982	91	492445m	1.340	ppbv	
60) o-Xylene	13.677	91	221910	0.636	ppbv	96
61) Styrene	13.523	104	127590m	0.674	ppbv	
62) Isopropylbenzene	14.654	105	351131	0.669	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.671	83	136553	0.505	ppbv	99
64) n-propylbenzene	15.551	120	84505	0.614	ppbv	77
65) tert-Butylbenzene	16.728	119	315519m	0.669	ppbv	
66) Benzyl Chloride	16.969	91	43558m	0.488	ppbv	
67) sec-Butylbenzene	17.281	105	432789	0.642	ppbv	97
69) p-Isopropyltoluene	17.648	119	337465	0.613	ppbv	98
70) n-Butylbenzene	18.538	91	333094	0.587	ppbv	97
71) 2-Chlorotoluene	15.439	91	252798m	0.649	ppbv	
72) 4-Ethyltoluene	15.831	105	265619	0.645	ppbv	99
73) 1,3,5-Trimethylbenzene	15.986	105	230673	0.614	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.748	105	246430	0.603	ppbv #	92
75) 1,3-Dichlorobenzene	16.982	146	146901m	0.564	ppbv	
76) 1,4-Dichlorobenzene	17.133	146	134455	0.519	ppbv	96
77) 1,2-Dichlorobenzene	17.802	146	150290m	0.582	ppbv	
78) Hexachloro-1,3-Butadiene	23.361	225	122870m	0.515	ppbv	
79) Naphthalene	22.185	128	159814	0.511	ppbv #	92
80) Naphthalene,2-methyl-	24.959	142	29492m	0.352	ppbv	
81) 1,2,4-Trichlorobenzene	21.915	180	101741m	0.476	ppbv	

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

