

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110222\
 Data File : VL039812.D
 Acq On : 2 Nov 2022 12:01
 Operator : SY/AP
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/03/2022
 Supervised By :Mahesh Dadoda 11/03/2022

Quant Time: Nov 02 13:14:47 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

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

QLast Update : Wed Nov 02 11:28:32 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	1092414	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3000946	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2866977	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.760	95	2144290	10.514	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 105.100%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	208105	1.819	ppbv	97
3) Chlorodifluoromethane	2.687	51	132186	1.007	ppbv	99
4) Chloromethane	2.822	50	81589	0.993	ppbv	98
5) Vinyl Chloride	2.931	62	64078	0.940	ppbv	97
6) Bromomethane	3.127	94	22176	0.906	ppbv	86
7) Chloroethane	3.208	64	24598	1.005	ppbv	94
8) Dichlorotetrafluoroethane	2.870	85	162584m	1.089	ppbv	
9) Propene	2.703	41	72278	1.282	ppbv	99
10) Heptane	7.568	43	173987m	1.289	ppbv	
11) Trichlorofluoromethane	3.568	101	152400m	0.954	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.073	101	111616m	0.901	ppbv	
13) Ethanol	3.269	45	5757m	1.422	ppbv	
14) Bromoethene	3.372	108	50548m	1.028	ppbv	
15) Acetone	3.484	43	140645	1.078	ppbv	95
16) 1,3-Butadiene	2.996	39	60028	0.931	ppbv	96
17) tert-Butyl alcohol	3.896	59	124075m	1.166	ppbv	
18) 1,1-Dichloroethene	3.890	96	50138	0.919	ppbv	93
19) Isopropyl Alcohol	3.594	45	58573m	0.958	ppbv	
20) Methylene Chloride	3.935	84	50019m	1.008	ppbv	
21) Allyl Chloride	4.005	41	78616	0.931	ppbv	98
22) trans-1,2-Dichloroethene	4.446	96	49844m	0.880	ppbv	
23) Vinyl Acetate	4.632	43	62210m	1.237	ppbv	
24) 1,1-Dichloroethane	4.565	63	110729	0.945	ppbv	98
25) Ethyl Acetate	5.211	43	283463	1.111	ppbv #	98
26) Hexane	5.214	57	131130m	1.236	ppbv	
27) Carbon Disulfide	4.134	76	122318	0.971	ppbv	96
28) Methyl tert-Butyl Ether	4.597	73	114107m	1.236	ppbv	
29) Chloroform	5.272	83	167374	1.004	ppbv	97
30) Cyclohexane	6.597	84	104007m	1.197	ppbv	
31) cis-1,2-Dichloroethene	5.079	61	110113m	1.075	ppbv	
32) 1,1,1-Trichloroethane	5.999	97	170247	1.125	ppbv	95
34) 2-Butanone	4.796	43	117581	0.833	ppbv	100
35) Carbon Tetrachloride	6.481	117	180627	1.056	ppbv	95
36) Benzene	6.365	78	258433	1.118	ppbv	98
37) 1,2-Dichloroethane	5.799	62	116916	0.931	ppbv	97
38) Trichloroethene	7.278	130	143454m	1.100	ppbv	
39) 1,2-Dichloropropane	7.066	63	97046	1.090	ppbv	95
40) 1,4-Dioxane	7.295	88	35589m	1.173	ppbv	
41) Tetrahydrofuran	5.568	42	105594m	1.204	ppbv	
42) Bromodichloromethane	7.233	83	194133	1.098	ppbv	100
43) Methyl Methacrylate	7.471	69	95556	1.187	ppbv	92
44) 2,2,4-Trimethylpentane	7.314	57	441148	1.142	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	91890	1.344	ppbv	92

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46) cis-1,3-Dichloropropene	8.130	75	126026	1.284	ppbv	96
47) 1,1,2-Trichloroethane	8.886	97	100772m	1.057	ppbv	
48) Dibromochloromethane	9.693	129	167437	1.091	ppbv	100
49) Bromoform	12.391	173	135408	1.083	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	250457	1.131	ppbv	99
51) 2-Hexanone	9.555	43	194222m	1.198	ppbv	
52) Tetrachloroethene	10.600	164	95674	1.105	ppbv	95
53) Toluene	9.208	91	290996	1.202	ppbv	98
54) 1,2-Dibromoethane	9.995	107	112557	1.163	ppbv	89
56) 1,1,1,2-Tetrachloroethane	11.490	131	125393	1.034	ppbv #	1
57) Chlorobenzene	11.513	112	219933	1.000	ppbv	97
58) Ethyl Benzene	12.076	91	400828	1.227	ppbv	95
59) m/p-Xylene	12.359	91	669495m	2.271	ppbv	
60) o-Xylene	13.043	91	313019	1.132	ppbv	99
61) Styrene	12.883	104	190200	1.310	ppbv	100
62) Isopropylbenzene	14.018	105	468055	1.108	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	116395m	1.001	ppbv	
64) n-propylbenzene	14.905	120	121213	1.134	ppbv	88
65) tert-Butylbenzene	16.079	119	417381	1.134	ppbv	98
66) Benzyl Chloride	16.310	91	40383m	1.547	ppbv	
67) sec-Butylbenzene	16.622	105	553730	1.068	ppbv	99
69) p-Isopropyltoluene	16.982	119	458590	1.094	ppbv	98
70) n-Butylbenzene	17.879	91	450059	1.123	ppbv	100
71) 2-Chlorotoluene	14.783	91	342335	1.167	ppbv	99
72) 4-Ethyltoluene	15.182	105	350203	1.100	ppbv	98
73) 1,3,5-Trimethylbenzene	15.339	105	296369	1.040	ppbv	92
74) 1,2,4-Trimethylbenzene	16.092	105	334728	1.037	ppbv	93
75) 1,3-Dichlorobenzene	16.313	146	195975m	1.001	ppbv	
76) 1,4-Dichlorobenzene	16.455	146	189937m	1.017	ppbv	
77) 1,2-Dichlorobenzene	17.127	146	179012	0.958	ppbv	95
78) Hexachloro-1,3-Butadiene	22.609	225	148737m	1.045	ppbv	
79) Naphthalene	21.365	128	258023m	1.307	ppbv	
80) Naphthalene,2-methyl-	24.371	142	102486	1.529	ppbv	96
81) 1,2,4-Trichlorobenzene	21.133	180	136369m	1.046	ppbv	

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

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[illegible]